RESEARCHES OF THE DEPARTMENT OF
TERRESTRIAL MAGNETISM

VOLUME X-B

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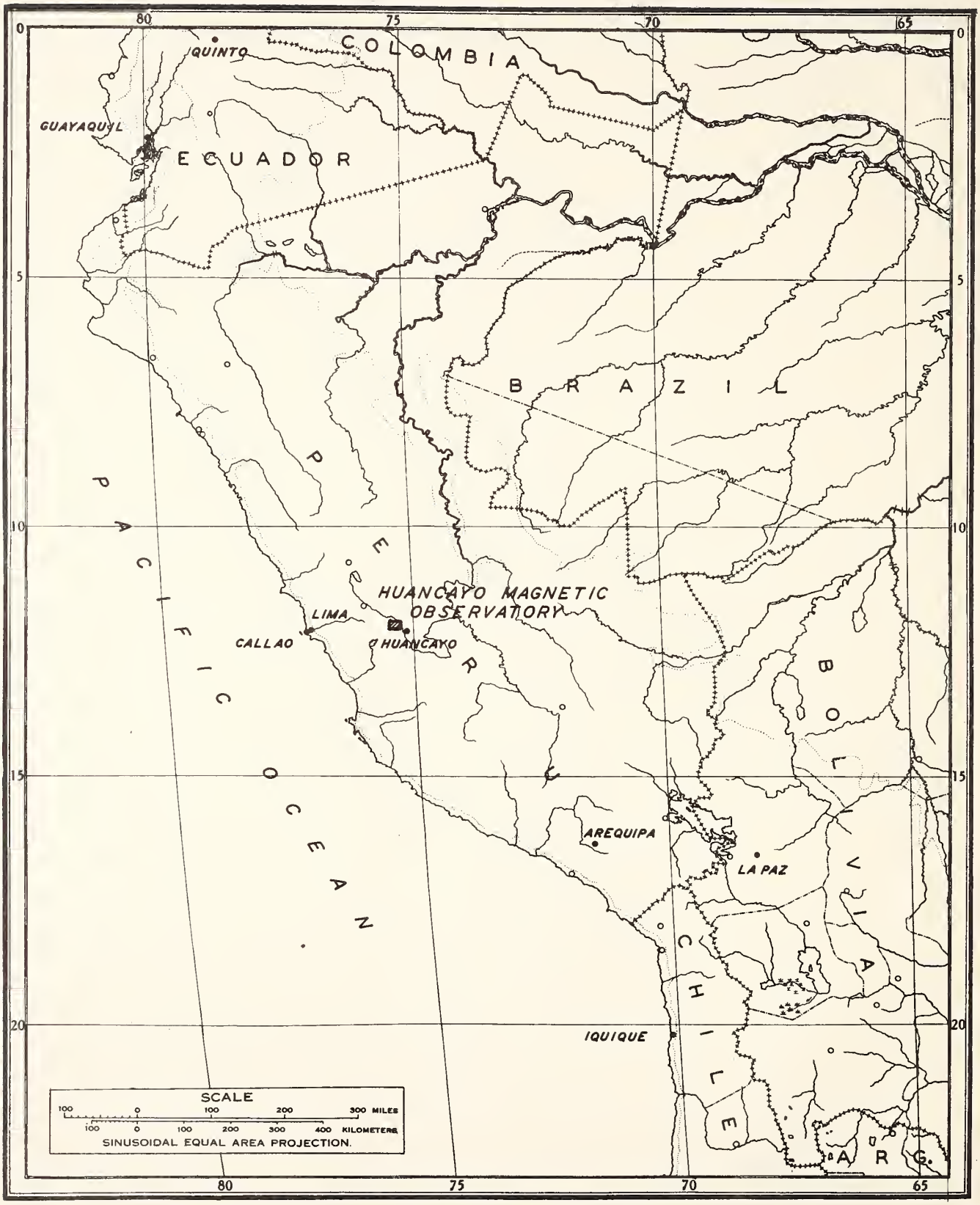

Map of Peru, showing location of Huancayo Magnetic Observatory

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M. A. TUVE, Director
J. A. FLEMING, Director
(Retired June 30, 1946)

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PREFACE

Part A of Volume X, Publication No. 175, "Researches of the Department of Terrestrial Magnetism," contains the magnetic data obtained at the Huancayo Magnetic Observatory during the years 1922 through 1935. The present volume, Part X-B, is a continuation of Part X-A and covers the years 1936 through 1944. A further volume, containing the magnetic results during the years 1945 through 1947 is in preparation.

On July 1, 1947, the Huancayo Magnetic Observatory was transferred by gift to the Peruvian Government and has operated since under the title of the "Geophysical Institute of Huancayo." Its control is vested in a Directive Committee of which Dr. J. A. Broggi, Director of the Geological Institute of Peru, is Chairman.

For details of the early history and development of the Huancayo Magnetic Observatory, the reader is referred to the Preface and Introduction to Part A of Volume X.

It is a pleasure to acknowledge the continued interest and assistance of the Peruvian Government in the operation of the observatory, particularly in the waiving of customs charges on imported equipment and supplies during the period of our operation of the observatory. The United States Embassy and Consulate General in Lima and the officials of the Cerro de Pasco Copper Corporation in Oroya have also continued to assist in many ways.

As in the preceding volume, the hourly values of the magnetic elements are presented in monthly tabulations, separate tables being given for horizontal intensity, vertical intensity, and declination. From these basic data, tabulations are given for noncyclic change.

Table 1 of Part X-B contains the names of the observers-in-charge and members of the observatory staff who have participated in the collection of the magnetic data during 1936 to 1944. At Washington, final reductions were supervised by H. F. Johnston; among those assisting were A. G. McNish, S. E. Forbush, and W. E. Scott. Miss E. Balsam has been responsible for the preparation of the numerous tabulations of data. All of this work was under the general direction of Dr. J. A. Fleming, Director of the Department from 1935 to 1946.

W. C. Parkinson has assisted in the final arrangement of the material for publication, and Miss M. H. Walburn has prepared the final copy of the manuscript and the layout of the volume for printing by the offset method.

M. A. Tuve, Director
Department of Terrestrial Magnetism

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MAGNETIC RESULTS FROM HUANCAYO OBSERVATORY, PERU, 1936-1944

INTRODUCTION

The Huancayo Magnetic Observatory is situated in latitude 12° 02′.7 south and longitude 75° 20′.4 west at an elevation of 3350 meters (11,000 feet) above sea level, 15 kilometers to the west of the town of Huancayo, which is 346 kilometers (215 miles) distant by rail from Lima.

The geomagnetic co-ordinates of the site, reduced to epoch 1922, are latitude (Φ) 0°.6 south and longitude (Λ) 6°.2 west; the bearing of the geomagnetic meridian relative to the geographic meridian (Ψ) is 1°.3 east.

The observatory is on a relatively flat area made up of two plains known as Paccha Pampa and Pampa Sicaya, the total area of the observatory tract being about 25 acres.

The buildings of the observatory include combined magnetic variation observatory and office, absolute magnetic observatory, atmospheric electric observatory, ionospherics laboratory, spectrohelioscope building, seismograph building, radio and cosmic ray building, powerhouse, two buildings housing the observatory staff, and miscellaneous smaller buildings.

By reason of its elevation, the climatic conditions at the observatory are equable in spite of its proximity to the geographic equator, a remarkably even mean temperature of about 15° C prevailing throughout the year, which is divided into two seasons. The rainy season, during which over 90 per cent of the total annual rainfall, averaging 30 inches, is recorded, occurs between November and March, and the dry season, during which the days are warm and sunny and the nights are cool, extends from April to October.

Detailed descriptions of the observatory buildings and of the various types of measurements made at the observatory have been given in a preceding volume covering the magnetic results for the years 1922 to 1935 [1].

A recording cosmic-ray meter was installed during 1936. In the magnetic work, the same absolute and variation instruments and buildings were used during the period 1936 to 1944 as had been used in the period 1922 to 1935. During 1937, a la Cour low-sensitivity H variometer was installed as an adjunct to the Eschenhagen equipment. Tests for the orientation of the magnets of the variometers were made in 1937, 1938, and 1943, and the appropriate adjustments were made where necessary.

Personnel

The observatory staff during the period covered by this volume consisted of an observer-in-charge, three assistants, and two (after 1938, three) observatory aides, these latter being recruited locally. Despite the increased scope of the scientific program and the urgency of the data during the war years, the high quality which had previously marked the observatory's output was fully maintained throughout. The names of the observer-in-charge and assistants in each year are given in Table 1.

DESCRIPTION OF INSTRUMENTS

Absolute instruments.--Magnetometer DTM CIW No. 10 was used throughout the period 1936 to 1944 for absolute determinations of declination and horizontal intensity. This instrument is of a type designed by the Department of Terrestrial Magnetism to combine the best features of the magnetometers of the United States Coast and Geodetic Survey and the instruments of the Magnetic Survey of India. A detailed description of this instrument and of the method of using it to make both declination and horizontal-intensity determinations is given on pages seven and eight of volume X-A, in which are presented the magnetic results obtained at the Huancayo Observatory in the years 1922 to 1935. The instruments and the forms on which the observations are recorded are illustrated in that volume in Figures 18, 19, 20, and 21.

Earth inductor DTM CIW No. 5 and a sensitive Plath galvanometer were used from 1936 to 1944 for the absolute determinations of inclination. The design of the earth inductor is substantially that originated by Wild, as modified by Eschenhagen. This instrument, like the magnetometer, is described in volume X-A, on page eight, and illustrated in Figure 22, and the form on which the observations are recorded is shown in that volume in Figure 23.

Constants of the magnetometer and earth inductor were determined in 1916 and were assembled as the adopted set of constants under date of September 23, 1916. This set of constants was used in all computations of absolute values of declination, horizontal intensity, and inclination from 1936 to 1944.

Variation instruments.--Two sets of variation instruments were kept in operation throughout the period 1936 to 1944. Magnetograph DTM CIW No. 2 of the Eschenhagen type, consisting of declination (D), horizontal-intensity (H), and vertical-intensity (Z) variometers and one photographic recorder, made by Otto Toepfer and Son, Potsdam, was used as the principal magnetograph. Because of the frequent and large fluctuations in H and loss of trace during times of magnetic disturbances, a la Cour low-sensitivity H variometer was installed as an adjunct to the Eschenhagen equipment in April, 1937. It was mounted on a specially constructed brass support on the north edge of the variometer pier of the Eschenhagen apparatus, adjacent to the H variometer, the position of which is noted in Figure 24, page 49, of volume X-A. A special lamp was also installed to permit the recording from the low-sensitivity variometer to be made on the same photographic trace which records the movements of the three regular variometer magnets.

A la Cour rapid-running magnetograph (DTM CIW No. 6), having three variometers and a photographic recorder, was operated as a stand-by instrument to supply data when loss of record occurred on the Eschenhagen apparatus, and during disturbed magnetic conditions, to verify results obtained from the Eschenhagen records. The variometers of the la Cour apparatus were mounted east of the recorder on a pier at the south end of the

variometer room; in the Eschenhagen apparatus, the variometers were mounted west of their recorder on a pier located at the north end of the room.

Time control of variation instruments.--Time-marks were made photographically at regular intervals on the traces of both magnetographs, appearing as lines perpendicular to the base lines of the variometers. To obtain the time-marks for the Eschenhagen apparatus, a lamp having a horizontal slit was mounted on the wall of the variometer room directly west of the recorder at the height of the axis of the recorder drum. A cylindrical lens in front of the lamp-slit confined the beam largely to a horizontal pencil which was adjusted to cover the central part of the cylindrical lens in front of the recorder drum so that the latter lens brought the pencil to focus on the photographic paper as a sharp line parallel to the axis of the drum. The lamp was automatically lighted for approximately four seconds at hourly intervals and for about two seconds at ten-minute intervals in each hour by a Landis program machine located in another building at considerable distance from the variometer room. No relays or accessory devices were used in the variometer room. The longer duration of the hourly marks made them readily distinguishable from the ten-minute marks. An independent control of the time-marks was obtained by entering on the daily record of magnetograph operation the time indicated by a standard chronometer whenever the manual shutter of the recorder was closed or opened.

For the la Cour magnetograph, another lamp, also automatically operated by the Landis program machine, provided time-marks at five-minute intervals and two additional marks at one minute before and one minute after the hourly marks.

The program machine was controlled by a reliable electrically operated clock, having a one-meter mercury-compensated pendulum. Corrections to the clock, obtained from triweekly comparisons with wireless time signals, were maintained between plus and minus five seconds.

Temperature control of variation instruments.--Temperature changes in the Z variometer were photographically recorded by means of a thermometric device in the variometer. The H variometer, having been fitted with temperature-compensation control magnets in 1926, had no photographically recorded temperature trace between 1936 and 1944. Thermometers mounted on the variometers were read morning and evening for control. The amplitude of diurnal variation in temperature seldom exceeded 0°.1 C, and hourly mean variometer temperatures were generally obtained with sufficient accuracy by interpolation between the morning and evening thermometer readings. Monthly ranges of variometer temperatures and monthly means for 1936 to 1944 are given in Table 2.

CONSTANTS OF THE MAGNETOGRAPHS

Orientation of variometer magnets in magnetic meridian and prime vertical.--In order that the variometer magnets may record correctly the changes in their respective elements, it is necessary that the H magnet be in the magnetic prime vertical, the D magnet in the magnetic meridian, and the Z magnet truly horizontal. Tests for the fulfillment of these conditions were first made in April, 1935. The results of the tests are discussed in volume X-A. Subsequent tests were made in August, 1937, for D and H, and in July, 1938, for D, H, and Z, at which times the magnets were found to be correctly oriented. Further tests, however, made in April, 1943, showed that the Eschenhagen H (sensitive) magnet was 1° 38′ out of the prime vertical, and this condition was rectified on May 6, 1943. At the same time, the associated la Cour H (insensitive) magnet was found to be 8° 04′ out of the prime vertical, and it was readjusted on May 27, 1943. Both the D and Z magnets were found to be in their correct positions in the 1943 tests. The large auxiliary deflecting magnet used in all these tests was the same as that used in 1935, and the procedure adopted was also similar, although some refinements in the arrangements for placing the deflecting magnet in the correct positions were introduced in 1937 and used in subsequent tests.

Magnetogram shrinkage corrections and scalings.--Magnetograms show considerable change in linear dimensions as a result of photographic processing. To obtain the corrections for shrinkage or expansion, each magnetogram, as soon as it was removed from the recorder drum, was inserted in a marker and pricked by several pairs of points, the distance between the points of each pair being accurately known. The distances between several pairs of holes on the magnetogram were measured at the time of scaling the records, and the corrections were obtained through comparison of these measurements with the known separation of the pricker points. Corrections for shrinkage or expansion were allowed in the scalings of all tabulated data for the years 1936 to 1944.

The average ordinate of the horizontal- and vertical-intensity traces on the Eschenhagen magnetogram was scaled, in millimeters, for each hourly interval bounded by integral hours of 75th west meridian mean time, and was corrected for shrinkage, tabulated on an appropriate form, and independently checked at the observatory. The same applies to the Eschenhagen declination trace except that, by the use of a single table appropriate to the measured shrinkage, the average ordinate, measured in millimeters, was corrected for shrinkage and converted to minutes of arc before being tabulated.

Eschenhagen Declination Variometer

Orientation of magnet.--Torsion observations from time to time and tests made in 1937, 1938, and 1943, with a large auxiliary magnet as described in preceding paragraphs, indicated that the axis of the magnet during the years 1936 to 1944 was parallel, or effectively so, to the magnetic meridian as determined in the absolute observatory.

Scale value.--Certain dimensions and other constants of the magnetograph fix the scale value of the declination variometer. The formula used for determination of scale value contained a term for the effect of the torsion of the fiber. Redeterminations of scale value at intervals indicated that for the years 1936 to 1944 a change of one millimeter on the magnetogram corresponded to a change of 0.993 in declination.

Eschenhagen Horizontal-Intensity Variometer

Orientation of magnet.--The orientation tests of April 13, 1943, indicated that the H (sensitive) variometer magnet was out of the magnetic prime vertical 1° 38′. On May 6, 1943, the magnet was adjusted and brought into the prime vertical. Tests of the orientation of the H (insensitive) variometer magnet made on April 13, 1943, indicated that this magnet was out of the prime vertical by 8° 04′. The magnet was adjusted in the prime vertical on May 27, 1943.

Temperature coefficient.--In September, 1927, temperature-compensating control magnets were fitted to the H variometer; as a consequence, the temperature coefficient of the H variometer magnet between 1936 and 1944 was sensibly zero. The H (insensitive) variometer, installed in April, 1937, was not compensated for temperature as the recordings from this variometer were used only to supply details of registration of H over limited periods.

Scale value.--The scale value was determined weekly in the years 1936 to 1944 by deflections produced by passing currents of known value through a Helmholtz coil which was permanently mounted around the variometer. The scale values obtained from these observations are given in Table 3, together with computed and adopted values of A.

To obtain the values of A, the value of B was taken as 0.004 for all years 1936 to 1944. This value of B was used with appropriate values of h, the ordinate of horizontal intensity in millimeters from the base line, and of scale value, ϵ_h, in the formula

$$\epsilon_h = A + Bh$$

In Table 3, it will be noted that no major changes occurred in the value of A, but rather there was a small progressive change, amounting in all to a decrease of 5 per cent during the nine years.

For the conversion of the horizontal-intensity magnetogram hourly mean ordinate, in millimeters, to gammas the formula used was

$$\Delta H = [A+Bh/2]h$$

where h is the ordinate in millimeters from the horizontal-intensity base line. The value of horizontal intensity in gammas was obtained from the base-line value plus ΔH, except for the correction for temperature.

Eschenhagen Vertical-Intensity Variometer

Difficulties of satisfactory registration of the vertical component of the Earth's magnetic force, mentioned in volume X-A as due to the small value of vertical intensity at Huancayo, were also encountered during the years 1936 to 1944. However, some improvement in operation was effected by the use of the Helmholtz coil for scale-value observations, this method obviating the presence of observers and magnets close to the variometer during the determinations.

Horizontality of magnet.--Tests made in 1937, 1938, and 1943 with a large auxiliary magnet indicated that the axis of the Z-variometer magnet was never more than one degree from the horizontal; departures of this order are due to the effect of temperature on the magnet.

Scale value.--Determinations of Z scale value were made thrice weekly during the years 1936 to 1944 by means of the Helmholtz-Gaugain coil which was installed in April, 1933. The Z scale values for 1936 to 1944 are given in Table 4. An inspection of this table will show that, although abrupt changes of adopted scale value were frequent, they were, in general, of a small order of magnitude. Almost all of the major abrupt changes were due to the instability of the magnet-system referred to above, although in some cases deliberate adjustments of the magnet-system were made which caused discontinuities in the scale value.

Temperature coefficient.--An increase of one degree centigrade in the temperature of the Z variometer caused a decrease in the ordinate h corresponding to an apparent decrease of vertical intensity of 8.4γ for all years 1936 to 1944.

ABSOLUTE OBSERVATIONS AND VARIOMETER BASE-LINE VALUES

Determinations of declination.--Observations of declination were made weekly with magnetometer DTM CIW No. 10 in all years 1936 to 1944. An observation consisted of two sets of measurements, the first set being made just prior to the horizontal-intensity observations and the second set immediately after. Each set involved four readings with the magnet erect and four with the magnet inverted. These readings were preceded and followed by readings on a "mark" of known azimuth. A correction of -0′.5 (easterly declination considered positive) was applied to observed values of declination to reduce them to international standard.

Determinations of horizontal intensity.--Observations of horizontal intensity were made weekly throughout the years 1936 to 1944 with magnetometer DTM CIW No. 10. Each observation consisted of two sets, the first with magnets erect and the second with magnets inverted. In the first set, oscillation measurements were made first, and then deflection observations at three distances. In the second set, the deflection observations were made first. A correction was applied to the observed values to reduce them to International Magnetic Standard, as specified in the summary of constants for magnetometer No. 10 dated September 23, 1916. From a consideration of the various comparisons made between magnetometer DTM CIW No. 10 and magnetometers with known corrections, and also of the measurements made at various times of moment of inertia of magnet 10L and its suspension, the following equation was adopted for the years 1936 to 1944

$$H_{corr} = +0.00032H + (1920.0-t)0.000027H$$

where t represents the year for which the correction is being made. Values of horizontal intensity given later in various tables are on the basis of this equation for correction to International Magnetic Standard.

Determinations of vertical intensity and inclination.--The ordinates of the Eschenhagen horizontal-intensity record and the adopted horizontal-intensity scale values and base-line values were used in conjunction with observed inclination I to obtain "observed" vertical intensity from the equation H tan I. Two sets of inclination observations were made once each week, the first set preceding and the second set following the observations of declination and horizontal intensity. Throughout the years 1936 to 1944, the inclination observations were made with earth inductor DTM CIW No. 5. Each set was composed of four settings with the coil axis vertical and four with the coil axis inclined, all with vertical circle east, followed by four settings with the coil axis vertical and four with the coil axis inclined, all with vertical circle west. No correction to International Magnetic Standard was necessary for values of inclination obtained with earth inductor No. 5.

Comparison of absolute instruments.--In 1936, 1943, and 1944, the observatory magnetometer No. 10 and the earth inductor No. 5 were subjected to intensive comparison with field instruments sent out from the Department on land surveys; these instruments, upon return to the laboratory in Washington, were compared with International Standard Magnetometer No. 3. Control was thus maintained of the constancy and reliability of the observatory absolute instruments. The results of the comparisons appear in volume VIII of the present series [2] devoted to land magnetic observations.

Base-line values.--Tables 5 to 9, inclusive, give the discontinuities of adopted base-line values, the observed base-line values, and the base-line values adopted for the times of absolute observations of the elements D, H, and Z for all the years 1936 to 1944. There was no specific rule for interpolating among observed values, such as the ones used by some observatories abroad. Rather, the adopted values were derived from the observed values by careful consideration of the individual values and the monthly means; in case of irregularity, the concurrent performance of the la Cour magnetograph was taken into consideration.

In the course of routine base-line computations, comparisons were regularly made between the ordinates used in reducing the absolute observations and those embodied in the tabulations of hourly values, in order to find any systematic disparity such as might readily arise in scaling.

BASIC HOURLY VALUES AND ASSOCIATED MEANS

Basic results.--Tables numbered 29 to 352 contain hourly values of the magnetic declination, horizontal intensity, and vertical intensity. The values represent the means for successive periods of one hour, the first period for each day being that for the hour commencing at midnight 75th west meridian mean time. The tabulated values of declination and of vertical intensity are in their algebraic sense, since both easterly declination and vertical intensity at this observatory are positive according to the convention adopted. The values were obtained from records of the Eschenhagen magnetograph, except for occasional brief periods of faulty instrumentation or excessive disturbance of the record; on such occasions the values were filled in or verified from the records of the la Cour magnetograph.

Scalings from the magnetograms, in terms of millimeters of deflection from base line for horizontal and vertical intensity, and in terms of degrees and minutes of arc for declination, were made and checked by the observatory staff for the entire period 1936 to 1944. Scale values and base-line values were likewise computed and checked at the observatory. Conversion of scalings in horizontal and vertical intensity to gammas was done at the laboratory in Washington, after adoption of adjusted scale values and base-line values.

A careful analysis of observed scale values and base lines was made at Washington in order that the adopted values might be based upon as long a series of determinations as was consistent with the behavior of the instrument.

The temperature coefficient of the vertical-intensity variometer was obtained from a statistical analysis of the variations in the observed base-line values with temperature.

The hourly mean ordinates of horizontal intensity were converted to gammas by means of the formula

$$\Delta H = [A + Bh/2]h$$

which was discussed earlier and in which account is taken of the variation in scale value with ordinate, but no correction is included for temperature.

In order to facilitate the tabulation of basic hourly values and their associated means, convenient rounded figures appear at the top of each tabulation, to which figure the hourly value has to be added. In the tabulations of declination, the appropriate rounded figure is, for the years 1936 and 1937, 7°; and for the years 1938 to 1944, 6°; for horizontal intensity the figure is 29,000γ for 1936 to 1944, and for vertical intensity, for the same period, the figure is 1000γ.

Maximum and minimum values.--The maximum and minimum columns on the tabulations of hourly mean values of each of the elements contain the momentary extreme values of the element for each day, together with the 75th west meridian times of their occurrence.

Character figures.--The figures in the "character" column were assigned on the scale of zero, one, and two used in assigning international character figures, but they refer to calendar days (75th west meridian mean time).

Computed means.--The four lines at the bottom of each table show average hourly means for particular groups of days, computed from the individual hourly values tabulated for the various days of the month. The first of the four lines is derived from all the days, the days being taken according to local or 75th west meridian mean time. The other three lines are derived from selected days as indicated by the check-marks in the columns headed ✱, †, and ‡, the original computations being carried one place further than the results shown. The general average of all the basic values falling in each of the four groups of days is given in the "Mean" column.

In the selection of the ten quiet or "least disturbed" days of each month, taken, as in the case of "all days," on 75th west meridian mean time, consultation was held with the Division of Terrestrial Magnetism and Seismology of the United States Coast and Geodetic Survey. The

resulting selection was jointly established and was usually identical for the five observatories of the Survey and the two observatories of the Department. An effort was made to avoid days of marked noncyclic change such as usually occur after severe magnetic disturbances.

Selection of five international quiet days and five international disturbed days in each month was made for 1936 by the Commission of Terrestrial Magnetism and Electricity of the International Meteorological Organization at DeBilt on the basis of reports from many magnetic observatories. The selection was published in "Caractère magnétique de chaque jour." For 1937 to 1939, the selections appeared in the same publication but under the auspices of the Association of Terrestrial Magnetism and Electricity of the International Union of Geodesy and Geophysics. From 1940 to 1944, through the collaboration of the International Meteorological Organization, the Geophysical Institute at Potsdam, and the Department of Terrestrial Magnetism, selections of days were prepared and published in the Journal of Terrestrial Magnetism and Atmospheric Electricity [3,4,5]. The international quiet and disturbed days begin and end with Greenwich midnight; the check-marks designating these days are on the lines referring to the like-numbered local days. The means are in the same vertical columns, respectively, as the basic values from which they were computed. In the means for the five international quiet days, the upper value for the hour 18-19 (23-24 GMT) and the lower value for the hour 19-20 (0-1 GMT) represent, respectively, means for the last hour of each Greenwich day before and the first hour of each Greenwich day after an international quiet day.

For one month in the years 1936 to 1944 (February, 1941), the monthly mean for "all days" lacks one day in each of the elements D, H, and Z, owing to loss of magnetograph record.

SUMMARY OF MONTHLY MEANS

Monthly mean values of D, I, H, X, Y, Z, and F are presented in Tables 10 to 18 for the years 1936 to 1944. Monthly mean values of D, H, and Z were abstracted from the tables of hourly mean values. The monthly mean values of X, Y, F, and I were computed from the monthly mean values of D taken to 0′.01 and values of H and Z taken to 0.1γ.

Group means are tabulated, below the monthly means in each year, for three groups of four months each and for the year as a fourth group. The group means were derived directly from the tabulated monthly means with which they are associated. The three groups of four months each are designated by Roman numerals, as follows: I, January, February, November, December; II, March, April, September, October; III, May, June, July, August. The monthly mean values for all the elements for each of the four groups are based on homogeneous data; that is, they are based only on those days for which the records were complete in all three elements, D, H, and Z.

SUMMARY OF ANNUAL MEANS

A summary of annual mean values of D, I, H, X, Y, Z, and F for the years 1922 to 1944, inclusive, appears in Table 19. For the years 1922 to 1935, the annual means were transcribed from previously published results, and for the years 1936 to 1944, they were abstracted from the tables of monthly means discussed above.

MEAN DAILY NONCYCLIC CHANGE

Tables 20 to 28, inclusive, present monthly means of daily noncyclic change in the elements D, H, and Z for the four groups of days (all days, ten selected quiet days, five international quiet days, and five international disturbed days) for the years 1936 to 1944. The tabular quantities A and B are defined in the tables; the values of A and B were computed from unrounded means of hourly values. The average of A and B gives the monthly mean of the daily noncyclic change taken in the algebraic sense. A comparison of the values of A and B provides an estimate of the reliability of the noncyclic change as derived in this way.

The monthly mean values of daily noncyclic change in each of the four groups of days in any month are based on homogeneous data; that is, they are based only on those days in each group for which the records for all three elements D, H, and Z are complete.

PRINCIPAL MAGNETIC STORMS AND SUDDEN COMMENCEMENTS, 1936-1944

The principal magnetic disturbances recorded on magnetograms at Huancayo Observatory in the years 1936 to 1944 are described in the following pages. Quarterly reports of disturbances were prepared by the observatory staff, and this form of presentation has been retained here. Greenwich mean time is used throughout. Outstanding magnetic storms are described in detail. "Sudden commencements" are generally noted, and their magnitude and principal movements recorded. To be classified as a sudden commencement, a movement must have been preceded by conditions quieter than those which followed, and must have involved an abrupt movement in all three elements, with the outstanding one being an increase in horizontal intensity (H). In many cases the movements in declination (D) and vertical intensity (Z) were very small and were not recorded in detail.

January to March, 1936

January 24-25.--This minor disturbance was conspicuous for its sudden commencement and for a very great decline in H directly following the commencement. At 16h 45m on January 24, there was a sudden commencement in all three elements, H increasing 50γ in eight minutes and D and Z in the same interval increasing respectively 2′ and 1γ. At 16h 53m, immediately following the increase associated with the sudden commencement, there began a long steady decline in H which ended at 20h 38m after a decrease of 368γ. The value of H at 16h 53m (approximately 29,800γ) was the maximum for the day and that at 20h 38m the minimum. Following the minimum, H gradually increased to normal value by 05h on January 25, there being minor fluctuations superposed on the general trend. D and Z, during the interval in question, showed numerous minor perturbations superposed on the usual diurnal trend. Throughout January 25 and 26, all three elements showed marked fluctuations without departing greatly from the usual diurnal curves. Ranges: H, 368γ; D, 5′; Z, 38γ.

February 14.--This was a brief minor disturbance noteworthy for a sudden commencement in all three elements at 09h 43m on February 14, H increasing 14γ in six minutes, and in the same interval D decreasing just perceptibly and Z increasing 2γ. No important perturbations occurred thereafter until 12h 46m, when H began to increase, continuing the increase to the maximum of the day at 15h 36m, with a change of 260γ in the interval. Superposed on this increase were fairly large bays and peaks. Z decreased more sharply than usual in this interval, while D showed considerable fluctuation. H decreased about 200γ from 15h 36m to 17h, then increased slightly for about two hours, returning to normal value and trend about 20h 30m. D and Z were little disturbed after 17h. Ranges: H, 261γ; D, 6′; Z, 45γ.

February 16-17.--This was a minor disturbance but with a sudden commencement in all three elements at 10h 57m on February 16. H increased 24γ in four minutes, and in the same interval D decreased about 1′ and Z increased 2γ. Immediately after the commencement, D was unusually depressed for about three hours while Z was depressed for about an hour. H maintained the increase occasioned by the commencement for 20 minutes, then decreased by 12h 39m to the minimum for the day and for the disturbance. Thereafter D and Z showed minor fluctuations superposed on the usual diurnal trend until the indefinite end of the disturbance. H, however, increased fairly steadily from the minimum to the maximum for the day, and for the disturbance, at 17h 06m, with a range of 258γ. Superposed on this rise were minor bays and peaks of 25γ to 50γ ranges from crest to trough in a period of 30 to 60 minutes. After 17h 06m, similar bays and peaks were superposed on the generally normal trend to the end of the disturbance at about 22h, February 17. Ranges: H, 258γ; D, 12′; Z, 54γ.

March 20-28.--This disturbance could hardly be called a storm, since many of the days involved were given character "0" yet it had some interesting features as noted below. Ranges were not deemed significant in describing this disturbance and are therefore not given. At 02h 51m, March 20, there occurred an unimpressive sudden commencement in H and Z, there being no perceptible effect in D. H increased 26γ in nine minutes and Z nearly 4γ in the same period. Following the commencement, and through March 25, D and Z were quite disturbed, though the usual diurnal trends were well maintained. From March 26 through March 28, D and Z were little disturbed. For H, the daily maxima on both March 20 and 21 were greatly depressed; thereafter diurnal trends were generally maintained. Conspicuous, however, throughout the period under discussion were the recurring depressed values of H each day between 00h and 05h. Also, throughout the disturbance, peaks and bays in H, of 30- to 60-minute periods from crest to crest, and with ranges of 50γ to 100γ from crest to trough, were superposed at frequent intervals on the general trend.

April to June, 1936

April 17-23.--This prolonged but mild disturbance was interesting chiefly because it occurred 27 days after a mild disturbance in March of similar character. It may be said to have begun with an inconspicuous sudden commencement in all three elements on April 17 at 18h 30m. H increased 17γ in four minutes, while D and Z just perceptibly increased. Following this H decreased steadily to a very low value by 03h on April 18. A similar decrease on several successive days, occurring between 00h and 05h, was the most conspicuous feature of the disturbance. On all days there were superposed on the H-trace numerous quite large bays and peaks which, while causing much irregularity, did not prevent the appearance of the usual diurnal character. Both D and Z showed numerous small perturbations throughout the disturbance, which did not affect the general diurnal trend. The end of the disturbance was very indefinite, the trace for April 23 being quite irregular while that for April 24 was comparatively smooth and quiet. Ranges: H, 317γ; D, 7′; Z, 49γ.

May 10.--A brief disturbance began with sudden commencement at 08h 03m on May 10 in all three elements, although in D it was just perceptible. H increased 14γ from 08h 03m to 08h 12m while Z increased 3γ from 08h 06m to 08h 12m. Thereafter, until 17h 18m, there were no important perturbations in any element. From 17h 18m to 21h 52m, H registered three large bays in connection with which there occurred the great decrease of 329γ between 17h 23m and 20h 14m. D and Z were also considerably disturbed in the last mentioned

interval. The disturbance may be said to have ended on May 10 at 21h 52m, although the two following days showed fairly large departures from the general trend, especially between 11h and 17h on each day. Ranges: H, 329γ; D, 3′.5; Z, 39γ.

May 29.--A very minor disturbance began with sudden commencement in all three elements at 08h 47m, although the decrease in D was just perceptible. H increased 13γ from 08h 47m to 08h 53m, while Z increased 3γ in the same interval. Thereafter, and until the end of the disturbance, on H were imposed minor bays and peaks which did not much affect the diurnal trend. D and Z showed numerous small perturbations throughout the period of the disturbance which, in D particularly, interrupted the usual diurnal trend. Ranges: H, 152γ; D, 5′.7; Z, 16γ.

May 30-31.--A very minor disturbance began on May 30 with sudden commencement in all three elements at 17h 27m. H increased 65γ from 17h 27m to 17h 34m, while Z increased 5γ in the same interval. D increased 0′.8 from 17h 27m to 17h 39m. Thereafter, until the indefinite end of the disturbance, very minor peaks and bays were superposed on the normal trend in H. Z showed numerous perturbations during the period of disturbance but D was quiet. Ranges: H, 192γ; D, 2′.5; Z, 18γ.

June 1.--This disturbance, beginning at 16h 43m, lasted 27 minutes, and consisted of a single peak in each of the three elements, with a conspicuous sudden commencement in each element. H decreased 14γ in one minute, then increased 116γ in three minutes, arriving at maximum value at 16h 47m. D decreased 0′.3 from 16h 45m to 16h 46m then increased 1′.9 by 16h 50m. Z just perceptibly decreased at 16h 45m, then increased 8γ by 16h 47m. By 17h 10m, all the elements had returned to normal values, H having decreased 102γ in 23 minutes, Z, 8γ, and D, 2′.6. Although spectrohelioscope observations were in progress here during this disturbance and observing conditions were satisfactory, no solar eruption or disturbance was noted. Ranges: H, 116γ; D, 2′.6; Z, 8γ.

June 9.--A brief, rather severe disturbance without prominent commencement may be said to have begun at 02h 40m on June 9, when H began a decrease which resulted in a drop of 70γ in one hour and a half. Thereafter, until the end of the storm, H was very irregular. It remained depressed until 12h, with minor peaks and bays superposed on the trace; after 12h several large bays and peaks of short period almost obliterated the diurnal trend, though that trend was discernible. The range of 229γ in H occurred in the 16 minutes from 16h 01m to 16h 17m, the maximum being at 16h 01m. D and Z showed unusually large perturbations through the disturbance, though the usual diurnal trends were well maintained. On the following day, June 10, H was somewhat irregular, with minor peaks and bays superposed on the usual diurnal trend, while D and Z showed only very minor perturbations. Ranges: H, 229γ; D, 7′; Z, 43γ.

June 18-20.--A rather severe magnetic storm, with sudden commencements in all three elements, began at 09h 41m, although the decrease in D was so small as to be hardly perceptible. H increased 9γ from 09h 41m to 09h 45m, while Z increased 2γ in the same interval. Following the commencement, all three elements showed very minor perturbations superposed on the diurnal trend (H having a normal value for the maximum at 16h 14m on June 18) until 01h 25m on June 19, at which time all three became markedly more disturbed. H then decreased rapidly to the minimum for the storm at 04h 27m, and thereafter remained depressed approximately 100γ throughout June 19, although large and small bays and peaks made H for the day very irregular. D and Z throughout June 19 showed numerous relatively large irregularities, though the diurnal trends in both were generally maintained. After 23h on June 19, D and Z were little disturbed while H, though generally normal in value, showed minor peaks and bays superposed on the regular diurnal trend. By 07h 30m on June 20, the storm may be said to have ended. Ranges: H, 326γ; D, 10′; Z, 46γ.

July to September, 1936

July 2.--A brief disturbance began July 2 at 04h 45m, with an abrupt movement in H and Z but not in D. H decreased 41γ in seven minutes while Z decreased 7γ in the same interval. The disturbance was chiefly notable for the depressed values of H between 09h and 17h, the minimum in H for the day occurring about the middle of this period at 13h 34m with the low value of H of approximately 29,450γ. D and Z were somewhat more variable than usual during this disturbance. Ranges: H, 173γ; D, 5′; Z, 40γ.

July 5-7.--A very mild disturbance began at 02h 30m on July 5, with a sudden commencement in all three elements. H increased 35γ from 02h 30m to 02h 34m, while Z increased 4γ and D just perceptibly decreased in the same interval. The disturbance in H, thereafter, consisted merely of minor peaks and bays superposed on the diurnal trend, except during the period 11h to 19h on July 6, when the usual daily maximum was almost completely suppressed. D and Z were little disturbed except in the period from 11h to 19h on July 6, when there were a few relatively large perturbations. The end of the disturbance was indefinite, occurring about 13h on July 7.

July 10-11.--A mild disturbance was recorded, without sudden commencement but beginning about 04h on July 10 with minor peaks and bays of 20- to 40-minute period superposed on the diurnal trend in H until 08h 46m, July 11. Thereafter, until the abrupt end of the disturbance at 20h 25m, July 11, the perturbations in H were larger and more rapid. During this latter interval of greatest disturbance in H, D and Z were also markedly disturbed, though the diurnal trend in each was maintained. Ranges: H, 275γ; D, 5′; Z, 39γ.

July 29-30.--A mild disturbance began, without conspicuous commencement, approximately at 06h, July 29, with minor perturbations superposed on the normal trends of all three elements. These continued until 12h, when large, short-period perturbations began in H, persisting until 19h. During this interval, the perturbations in D and Z were notably large. After 19h, July 29, minor perturbations appeared in all three elements, the end of the disturbance being very indefinite at about 05h, July 30. Ranges: H, 251γ; D, 8′; Z, 29γ.

August 25.--On receipt of information that there had been a fade-out in radio communications between 18h and 20h, August 25, an examination of the magnetogram for that date showed that there was a conspicuous but brief disturbance which commenced suddenly at 18h 26m and continued until 19h 43m. H increased 71γ in 21 minutes and then dropped gradually back to normal value by 19h 43m. D and Z increased, but only very slightly.

September 17-18.--In a sudden commencement in all three elements, H increased 11γ from 21h 49m to 21h 57m. Z increased 3γ from 21h 52m to 21h 57m, and D increased just perceptibly from 21h 53m to 21h 57m. For the succeeding 26 hours, very minor perturbations were superposed on the regular diurnal trend, but these perturbations were so insignificant as to permit assigning "0" activity to the two days in question. Ranges were not of significance in this disturbance. The disturbance ended about 24h, September 18.

September 22-23.--There was recorded a duplicate of the disturbance of September 17 in so far as character was concerned. A sudden commencement occurred in all three elements at 14h 54m, H increasing 20γ from that time to 14h 58m, Z increasing less than 1γ from 14h 56m to 14h 58m, and D increasing about 0'.5 from 14h 56m to 15h 00m. For 29 hours thereafter, minor perturbations were superposed on the normal diurnal variation, these being so small as to permit assigning "0" activity to the two days involved. Ranges did not have significance in this case. The end of the disturbance was about 23h, September 23.

October to December, 1936

October 9-10.--A mild disturbance began October 9 with sudden commencement at 07h 27m in all three elements, H increasing 11γ in seven minutes, and D and Z each just perceptibly increasing in the same interval. Following the commencement, minor perturbations were superposed on the usual diurnal trend in all three elements until the end of the disturbance at 21h, October 10. H was of unusually low value from 01h to 12h, October 10.

October 11.--A conspicuous sudden commencement was recorded at 13h 32m, October 11, with an initial decrease in H of 6γ in one minute and then a sudden increase of 65γ in four minutes. D first decreased just perceptibly in one minute, then increased one minute of arc in six minutes of time. Z showed only an increase of 2γ magnitude between 13h 33m and 13h 37m. By 13h 50m, all three elements were again at normal values. Ranges: H, 65γ; D, 1'; Z, 2γ.

October 13.--An inconspicuous sudden commencement in all three elements took place at 05h 53m, October 13; it ended at 05h 58m, without subsequent disturbances in any element. H increased 12γ, D momentarily decreased slightly and then increased one minute of arc, and Z increased 2γ during the five-minute interval.

October 16-18.--An important disturbance began October 16, with noteworthy sudden commencement at 15h 02m in all three elements. H increased 124γ in five minutes, D first decreased slightly and then increased 3' in five minutes, and Z increased 5γ in the same interval. Shortly after the commencement, H steadily decreased 370γ from 16h to 20h, then experienced several bays of 50γ to 100γ range from crest to trough until 15h, October 17. Thereafter, to the end of the disturbance at 12h, October 18, H showed only very minor perturbations superposed on the usual diurnal trend. D and Z showed unusually large perturbations throughout the disturbance, but normal trends were, nevertheless, maintained. Ranges: H, 408γ; D, 9'; Z, 51γ.

October 24.--A prominent disturbance was recorded October 24, beinning about 12h, without sudden commencement. Several large bays and peaks in H affected considerably the period of daily maximum, through the eight-hour interval involved. In D and Z quite large perturbations were superposed on the general diurnal trend. The disturbance ended at about 20h. Ranges: H, 321γ; D, 9'; Z, 53γ.

October 31.--A brief disturbance occurred October 31 with conspicuous sudden commencement in all three elements at 01h 24m. H increased 40γ in six minutes; D increased one minute of arc and Z increased 5γ from 01h 25m to 01h 30m. Thereafter, four sets of bays and peaks, of about 50γ range from crest to trough, lowered H to the minimum for the day and storm at 11h 56m. A steady rise occurred in H, thereafter, to the maximum at 16h 06m. The disturbance ceased rather abruptly at about 17h, soon after the maximum. D and Z were not greatly disturbed during the interval under discussion. Ranges: H, 285γ; D, 8'; Z, 47γ.

November 2.--This was a very brief disturbance with sudden commencement in all three elements at 14h 20m. H increased 7γ in one minute, decreased 18γ in two minutes, increased 127γ in three minutes, and then decreased 60γ to normal value at 14h 32m. After 14h 22m, D decreased 1' in two minutes, increased 3' in three minutes, and decreased 2' in five minutes to normal value at 14h 32m. After 14h 22m, Z increased 6γ in four minutes and then decreased 8γ in four minutes to normal value at 14h 32m. Prior to and following this 12-minute interval of disturbance, the magnetic records were undisturbed. Ranges: H, 127γ; D, 3'; Z, 8γ.

November 10.--This was a brief disturbance between 16h 41m and 18h, in which H experienced several very sharp bays and peaks, among which occurred a change of 176γ from maximum to minimum in a period of five minutes. D and Z showed more perturbations than usual but the normal trends were maintained. Ranges: H, 176γ; D, 3'; Z, 16γ.

November 15.--In a brief disturbance between 14h and 18h, H showed a large bay with a decrease in this interval of 198γ. Z increased 11γ from 14h 20m to 15h 20m. D showed very little change during the disturbance. Ranges: H, 198γ; D, 5'; Z, 33γ.

November 27.--This very brief magnetic disturbance, with a sudden commencement in all three elements at 16h 50m, was found to be simultaneous with a brief solar eruption and with disturbances on earth current and ionospheric records. Each magnetic element increased slightly for three minutes and then returned to nearly normal value in seven minutes.

November 28-29.--This magnetic storm was marked by a sudden commencement in all three elements at 23h 37m. H increased 64γ in three minutes. Z increased 11γ and D increased 1' in the same interval. Following the sudden commencement, H experienced one large bay over a period of 13 hours, with a minimum value for the storm at the middle of this period. After 12h on November 29, H showed only minor perturbations superposed on the normal diurnal trend until the end of the storm at 22h. Both D and Z showed unusual fluctuations although diurnal trends were maintained. Ranges: H, 264γ; D, 14'; Z, 56γ.

December 27-28.--A sudden commencement occurred at 03h 28m, December 27. From 03h 28m to 03h 33m H increased 34γ, Z increased 5γ, and D increased 1'. Thereafter the trace for December 27 was only slightly disturbed and that for December 18 showed moderate disturbance. These two days were assigned character "1."

January to March, 1937

January 27.--A sudden commencement occurred at 03h 37m, January 27. In four minutes H increased 28γ, Z increased 7γ; and D decreased 1′. The records were moderately disturbed from 07h to 14h.

January 30.--A very marked sudden commencement occurred at 10h 09m, January 30. D decreased 1′ and increased 5′ in an interval of four minutes. In the same period, Z increased 9γ. A much more marked change occurred in H. A very rapid decrease of 19γ was followed by a still sharper increase that moved the H-trace off the record. From 10h 11m until 11h 03m, the H-trace was missing. The value of H during this interval was at least 50γ above normal.

February 2-3.--At 23h 04m, February 2, there was a marked sudden commencement in all elements which was followed by a magnetic storm lasting for 23 hours. During this storm, the range in H was 515γ. The minimum value of H at 20h 02m, February 3, was 29,403γ. The maximum value of H was 29,918γ, at 16h 20m, February 3.

February 18-19.--At 19h 04m, February 18, there occurred a sudden commencement in all elements, a feature of which was a sharp decrease in H of 10γ in one minute followed by an increase of 121γ during the next five minutes. The hours following were relatively quiet until 12h 48m, February 19, when a decrease of 130γ in H occurred during a period of ten minutes. This was followed by disturbed conditions until 19h.

February 21 and 25.--At 03h 27m, February 21, and at 11h 44m, February 25, sudden commencements of small magnitude occurred, both of which were followed by quiet magnetic conditions.

March 5 and 15.--Considerable disturbance of the magnetic elements occurred from 10h to 22h, March 5, and from 12h to 15h, March 15.

March 26-27.--At 20h 57m, March 26, there occurred a sudden commencement. H decreased 6γ and then increased 72γ within four minutes. Z increased 7γ and D increased 1′ during the same interval. The following day was moderately disturbed.

March 31.--At 03h 17m, March 31, a sudden commencement occurred involving an increase in H of 33γ in four minutes, accompanied by an increase in Z of 6γ in the same interval. The D-trace was only slightly disturbed. The remaining hours of the day until 20h were moderately disturbed. At the time of the sudden commencement, there were also sharp peaks in the earth current traces.

April to June, 1937

April 24-28.--A magnetic storm, starting with a sudden commencement at 12h 02m, April 24, involving an increase in H of 65γ in two minutes, continued from April 24 to 28. Quiet periods occurred during the forenoons of April 25, 26, and 27. A second sudden commencement occurred at 15h 46m, April 25, during which H increased 140γ in four minutes. Both sudden commencements were found in the D- and Z-traces but to a much less extent than in H. Marked features of this disturbed period were the large bays in the H-trace. The depression usually found in H during storms was very marked during the period under discussion. The daily ranges in H during the five days April 24 to 28, inclusive, were 526γ, 578γ, 644γ, 371γ, and 263γ, respectively. A very low value of H, 29,275γ, occurred April 26. The Sun was not under observation with the observatory spectrohelioscope at the times of the two sudden commencements. On both occasions simultaneous earth current disturbances occurred. The spectrohelioscope showed active flocculi on April 22, 25, and 27. April 23 was cloudy, and no activity was noted on April 24, 26, and 28.

May 3.--A sudden commencement was noted at 16h 06m, May 3. D and Z increased slightly; a sharp decrease of 3γ in H was followed by an increase of 50γ in an interval of five minutes. The H-trace was moderately disturbed for two hours following the sudden commencement.

May 4-5.--A sudden commencement occurred at 16h 56m, May 4, which showed strong similarities with that of the previous day. D and Z increased slightly; H decreased 1γ and increased 60γ in an interval of five minutes. H was very disturbed during the two hours following the commencement. From 01h to 20h, May 5, the H-trace, besides being very low in value, was also much disturbed. Two marked features of this disturbed period were (a) a large bay (minimum) in H between 01h and 06h, and (b) a rapid increase in H for a period prior to 15h 05m, followed by a sharp decrease to a minimum at 15h 45m. During this interval H decreased 240γ.

May 25.--At 16h 51m, May 25, a very sharp peak in H occurred which was coincident with a sudden solar disturbance.

June 10.--A sudden commencement occurred at 05h 07m, June 10. There was a small effect in D, an increase in Z of 10γ in three minutes, and an increase in H of 60γ in the same interval. The traces were relatively quiet afterwards.

June 13.--A sudden commencement was recorded at 08h 43m, June 13. The effect in D was slight. An increase of 6γ occurred in Z in three minutes, and an increase in H of 25γ in the same interval. This was followed by fairly large oscillations in H until 18h.

June 22.--A sudden commencement was recorded in Z and H at 09h 57m, June 22. Z increased 5γ and H increased 17γ in three minutes. The traces were only slightly disturbed afterwards.

June 27.--Between 12h and 19h, June 27, a large number of oscillations occurred in all three elements. All the elements increased sharply at 15h 20m, reached maximum values at 15h 26m, and returned to normal values by 15h 32m. The ranges during the 12-minute interval were as follows: H, 220γ; D, 4′; Z, 14γ.

July to September, 1937

July 9.--At 11h 44m, July 9, there was a sudden commencement with small increases in D, H, and Z.

July 11.--At 14h 53m, July 11, there was a sudden commencement with small increases in D, H, and Z.

July 14.--Between 16h 46m and 17h 03m, July 14, a sharp decrease and subsequent increase in H occurred. The minimum value of H at 16h 53m was 29,428γ.

July 19.--At 12h 55m, July 19, there was a sudden commencement in all three elements. H increased 17γ, decreased 11γ, and then increased 56γ in five minutes. D increased 2′ and Z increased 8γ in the same interval. The traces were moderately disturbed following this commencement.

August 21.--At 21h 13m, August 21, a sudden commencement occurred with small effects in D and Z, and

an increase of 16γ in H in three minutes.

August 22.--At 03h 08m, August 22, a sudden commencement occurred involving a decrease of 2′ in D, an increase of 7γ in Z, and an increase of 45γ in H in a period of four minutes. The traces were disturbed for the 12 hours following this commencement.

August 28.--At 19h 26m, August 28, there was a sudden increase in H and simultaneous increases in D and Z. A fade-out was recorded on the ionospheric trace between 19h 26m and 19h 57m.

September 10.--At 17h 53m, September 10, a sudden commencement occurred in all three elements; H increased 77γ in three minutes. The traces were disturbed until 19h on September 11.

September 30.--At 13h 46m, September 30, a sudden commencement began in all three elements. H decreased 34γ in one minute and increased 165γ in five minutes. The effects in D and Z were small. The traces were much disturbed for the rest of the day. Radio fade-outs occurred during the magnetic disturbance and the earth current record was highly disturbed.

October to December, 1937

October 3-4.--A sudden commencement of relatively small amplitude occurred in all three elements at 11h 22m, October 3. H decreased 2γ and then increased 17γ in two minutes. In the same interval D moved westerly 1′ and Z increased 5γ. The traces were much disturbed from this time until the end of October 4, a marked feature of the storm being a minimum bay in H from 00h to 12h, October 4.

October 5.--At 17h 06m, October 5, a sharp increase occurred in all elements, culminating at 17h 10m and decreasing to normal at 17h 24m. The increases were: D, 2′ east; H, 74γ; Z, 7γ. Sharp changes occurred in earth currents at the same time. A radio fade-out lasted from 17h 14m to 18h 04m. Strong solar activity was noted during the regular spectrohelioscope observations just preceding this effect.

October 7.--A sudden commencement occurred in all elements at 05h 21m, October 7. In an interval of three minutes, H increased 36γ, D moved westerly nearly 1′, and Z increased 7γ.

October 9.--From 12h to 21h, October 9, the traces showed a series of rapid oscillations of high amplitude.

October 11.--From 13h to 20h, October 11, the traces showed a series of rapid oscillations of high amplitude.

November 18.--From 12h to 21h, November 18, a strong disturbance occurred with a number of oscillations of large amplitude.

November 19.--From 11h to 17h, November 19, a strong disturbance with a number of oscillations of large amplitude occurred.

November 29.--From 11h to 21h, November 29, a strong disturbance with a number of oscillations of large amplitude occurred.

December 18.--From 13h to 21h, December 18, a moderate disturbance occurred during which H decreased to quite a low value of 29,410γ at 18h 42m.

December 23.--A strong disturbance occurred from 11h to 21h, December 23. A number of rapid fluctuations in H were recorded in this period.

December 31.--A strong disturbance occurred from 12h 30m to 20h, December 31.

January to March, 1938

January 16-17.--A marked sudden commencement occurred at 22h 37m, January 16. In one minute, H increased 250γ, Z increased 24γ and then decreased 13γ, and D moved 2′ west and then 4′ east. Rapid oscillatory motions of the H-spot continued until about 02h, January 17. Milder activity prevailed until 12h when severe and rapid changes began in H lasting until 18h. Between 14h and 15h, there was a bay of 355γ in H. The minimum value in H was 29,320γ at 16h 25m. There was another period from 21h 20m to 24h during which H was quite disturbed. The storm ended about 24h, January 17. Ranges: H, 505γ; D, 12′.8; Z, 62γ.

January 22.--A fairly intense magnetic storm began at 02h, January 22, and ended at 23h. Throughout this period there were rapid fluctuations of large amplitude in H. H changed 420γ, D, 18′, and Z, 42γ from 09h to 10h. Ranges: H, 540γ; D, 31′; Z; 74γ.

January 25-26.--A sudden commencement occurred at 11h 53m, January 25. In an interval of one minute, H increased 53γ and Z, 6γ, while D moved slightly easterly. A severe magnetic storm followed, characterized by large fluctuations in all elements until 22h, January 25. An abnormally deep bay in H occurred between 20h, January 25, and 14h, January 26. The traces were moderately disturbed from 14h to 20h, January 26. Ranges: H, 1125γ; D, 22′; Z, 146γ.

January 31.--A strong magnetic storm began at 10h 30m, January 31, and ended at 24h. Very large fluctuations in H were recorded. There was a deep bay in H from 16h 50m to 19h 24m during which period the daily maximum normally occurs. The mean value of H over this period was approximately 200γ below normal. From 16h 50m to 20h 30m, Z values were about 35γ above normal. Ranges: H, 307γ; D, 9′; Z, 60γ.

February 6-8.--A sudden commencement occurred at 03h 10m, February 6. In three minutes, D moved slightly easterly, H increased 46γ, and Z increased 7γ. A moderate magnetic storm followed, lasting until 22h, February 8, the daylight hours during this period being much disturbed. Ranges: H, 434γ; D, 13′; Z, 100γ.

February 13-14.--A sudden commencement occurred at 20h 37m, February 13. In a period of three minutes, D moved slightly westerly, H increased 51γ, and Z increased 4γ. The hours following were only slightly disturbed. The traces became moderately disturbed at 12h, February 14, remaining so until 20h. Ranges: H, 171γ; D, 9′; Z, 36γ.

March 5.--The period 15h to 20h, March 5, was much disturbed with a number of large fluctuations in H.

March 21-24.--A magnetic storm of moderate intensity commenced at 20h 43m, March 21, and continued until about 05h 30m, March 24. Ranges: H, 360γ; D, 11′; Z, 57γ.

April to June, 1938

April 6.--A sudden commencement of small amplitude occurred at 21h 05m, April 6. In a period of four minutes, H decreased 5γ and increased 42γ; Z increased 5γ, and D moved westward less than 1′. Following this, the traces were only slightly disturbed.

April 11.--A sudden commencement of small amplitude occurred at 10h 32m, April 11. In a period of one minute, H increased 13γ; Z increased 2γ, and D showed

only a very slight effect. The traces were moderately disturbed until 20h.

April 12.--At 19h 58m, April 12, a sharp peak was recorded in H. In nine minutes, H increased 88γ. In the same interval, Z increased 14γ and D moved 0′.5 eastward. This occurred on an otherwise quiet day.

April 13-14.--A sudden commencement occurred at 11h 42m, April 13. H increased 48γ, Z increased 12γ, and D moved eastward 1′ and then westward 1′ during an interval of three minutes. Following this a moderate disturbance continued until the end of April 14. It was characterized by a large number of rapid oscillations of relatively small amplitude. Ranges: H, 420γ, D, 9′; Z, 46γ.

April 16.--The most intense disturbance yet recorded at this observatory began with a sudden commencement at 05h 47m, April 16. In an interval of one minute, H increased 179γ; Z increased 24γ, and D moved westward 2′. The traces were very disturbed until 08h 30m, after which a moderate disturbance continued until 17h. The high sensitivity H-trace was not legible during the first and more violent part of this storm. Ranges: H, 1321γ; D, 25′; Z, 118γ.

April 23-24.--A moderate disturbance occurred from 11h, April 23, to 03h, April 24.

May 4.--A moderate disturbance occurred from 14h to 20h in which a number of fluctuations were recorded in H.

May 11-13.--A magnetic storm began with a sudden commencement at 15h 55m, May 11. In a period of three minutes, H decreased 4γ and increased 103γ; D moved eastward 2′, and Z increased 8γ. Rapid fluctuations of large amplitude occurred in H from the commencement until 00h 30m, May 12, followed by lesser disturbances until 02h, May 13. The value of H from 18h 30m, May 11, until the end of the storm was very low. Ranges: H, 837γ; D, 10′; Z, 73γ.

May 14-15.--A moderate disturbance occurred from 12h, May 14, to 02h, May 15.

May 24.--At 12h 55m, May 24, a sudden commencement of small amplitude occurred. In three minutes, H increased 20γ, D moved eastward 1′, and a very slight increase occurred in Z. Following this, a moderate disturbance continued until 20h.

May 29.--A moderate disturbance occurred from 06h to 20h during which a number of fluctuations were recorded in H.

June 7-8.--At 22h 02m, June 7, a sudden commencement occurred in all elements. During an interval of four minutes, H increased 65γ; Z increased 12γ, and D moved west 0′.7. Following this, the traces were moderately disturbed until 23h, June 8. From 12h to 22h, June 8, the H-trace showed a number of fluctuations of moderate amplitude.

June 12.--At 17h 55m, June 12, a sudden commencement occurred in all elements. During a period of four minutes, H decreased 6γ and then increased 97γ, Z increased 8γ, and D moved west 0′.6, then returning to its previous position. At 23h 40m, June 12, a second sudden commencement occurred. In four minutes, H increased 52γ, Z increased 8γ, and only a very slight effect occurred in D. Following this, the traces were only slightly disturbed.

July to September, 1938

July 4-5.--A sudden commencement occurred at 12h 03m, July 4. In a period of three minutes, D moved east 2′, H increased 28γ, and Z showed only a slight effect. Following this, the storm continued until 06h, July 5. Ranges: H, 272γ; D, 7′; Z, 43γ.

July 9.--A sudden commencement occurred at 19h 52m, July 9. In a period of four minutes, D moved west very slightly, H decreased 2γ and increased 56γ, and Z increased 6γ. Following this, the traces were only slightly disturbed.

July 13.--A sudden commencement occurred at 20h 04m, July 13. In a period of three minutes, D moved west 0′.5, H increased 60γ, and Z increased 7γ. The traces were only slightly disturbed afterward.

July 15-16.--After several hours of only moderate disturbance, a magnetic storm began at 12h, July 15, continuing until 02h, July 16. During this period, a large number of fluctuations in H occurred, and its value was very low between 20h 50m, July 15, and 01h 30m, July 16. The traces were moderately disturbed from 12h to 20h, July 16. Ranges: H, 340γ; D, 9′; Z, 52γ.

July 30-31.--A sudden commencement occurred at 04h 36m, July 30. In a period of five minutes, D was not affected, H increased 34γ, and Z increased 7γ. A moderate disturbance followed, continuing until 01h, July 31.

August 3-5.--At 21h 35m, August 3, a sudden commencement occurred. During a period of two minutes, D moved west 1′.2, H increased 86γ, and Z increased 12γ. Moderate disturbances continued through August 4 and 5.

August 10-12.--At 03h 22m, August 10, a sudden commencement occurred in H and Z of relatively small magnitude. During a period of four minutes, H increased 21γ and Z increased 4γ. Another slight sudden commencement occurred 24 hours later at 03h 23m, August 11, when during a period of three minutes H increased 31γ, Z increased 5γ, and D was not affected. Following this, the traces were moderately disturbed through August 11 and 12, particularly from 10h to 19h, August 11, when a number of large oscillations took place in H.

August 22-23.--At 13h 54m, August 22, a sudden commencement occurred when during a period of four minutes D moved west 1′ and then east 4′.5, H decreased 59γ and increased 181γ, and Z increased 8γ. A magnetic storm of moderate intensity continued until 21h, August 22, during which a number of rapid oscillations occurred in H. Moderate disturbances of smaller amplitude continued through August 23.

September 13-15.--At 18h 37m, September 13, a sudden commencement occurred. During a period of four minutes, D moved westerly 0′.5, and then easterly 2′, H decreased 9γ and then increased 148γ, Z increased 12γ. A moderate magnetic storm continued through September 13, 14, and 15. Ranges: H, 424γ; D, 11′.1; Z, 45γ.

September 20.--At 17h 46m, September 20, a sharp increase in H occurred, culminating at 17h 55m, following which conditions were quiet.

September 23.--At 04h 36m, September 23, a sudden commencement of small amplitude occurred. During a period of three minutes, D moved westerly slightly, H increased 21γ, Z increased 4γ. A moderate disturbance continued until 21h.

September 27-28.--A sudden commencement occurred at 22h 02m, September 27. During a period of four minutes, D moved easterly 1′.4, H increased 76γ, and Z increased 10γ. A moderate storm of considerable intensity continued till 06h, September 28, followed by lesser disturbance until 20h. Ranges: H, 494γ; D, 9′.7; Z, 45γ.

September 30.--At 10h 21m, September 30, a sudden commencement of small amplitude in H and Z occurred. During a period of two minutes, H increased 24γ and Z increased 4γ. Following this a magnetic storm of moderate intensity, characterized by large fluctuations in H, continued until 05h, October 1. Ranges: H, 434γ; D, 7′.6; Z, 61γ.

October to December, 1938

October 6.--Between 18h 46m and 18h 55m, October 6, a very sharp increase of 33γ occurred in H, followed by a sharp decrease of 83γ. The traces for D and Z showed slight oscillations at the same time.

October 7-8.--At 10h, October 7, a magnetic storm of moderate intensity developed gradually, continuing until 07h, October 8. A number of oscillations of large amplitude occurred in H with a very large decrease in the mean value of H at 16h 55m, October 7. Ranges: H, 287γ; D, 10′; Z, 118γ.

October 23-28.--From October 23 to 28, the traces were moderately disturbed, especially during the daylight hours.

November 8-10.--A moderate disturbance prevailed from 13h, November 8, to 02h, November 10.

November 14.--A sudden commencement occurred at 13h 54m, November 14. During a period of four minutes, D moved west 0′.7, and then east 2′.0; H decreased 25γ and increased 79γ; and Z increased 3γ and returned to its former value. Only very slight disturbances followed.

November 17.--At 12h, November 17, oscillations in H of large amplitude began which continued until 19h, November 17.

December 10.--The period from 13h to 23h, December 10, was very disturbed. Oscillations of large magnitude were recorded in H.

December 16.--The period from 13h to 21h, December 16, was moderately disturbed. Some oscillations of large amplitude were recorded in H.

January to March, 1939

January 5.--A sudden commencement occurred at 04h 09m, January 5. During a period of seven minutes, D moved westerly 0′.6, H decreased 50γ, and Z decreased 7γ. Moderate disturbance continued until 21h.

January 21.--From 13h to 21h, January 21, several fluctuations of large amplitude occurred in horizontal intensity. There was an unusually low value of 29,491γ in H at 18h 36m.

February 1.--The hours from 15h to 24h, February 1, were moderately disturbed.

February 5-6.--A sudden commencement occurred in all elements at 19h 51m, February 5. During a period of four minutes, D moved westerly 1′ and then easterly 2′, H decreased 14γ and increased 105γ, Z increased 4γ. Moderate disturbance continued until the end of February 6.

February 24-25.--A magnetic storm began gradually about 13h, February 24, and continued until 19h, February 25. The storm was characterized by many fluctuations of large amplitude in H and by very low values of H during the period from 20h, February 24, to the end of the storm. Very rapid changes in all elements occurred in a four-minute interval beginning at 17h 06m, February 24, during which D moved easterly 6′, H increased 268γ, and Z increased 12γ. Ranges: H, 740γ; D, 15′.2; Z, 62γ.

March 19.--A sudden commencement occurred in all elements at 19h 03m, March 19. During an interval of five minutes, D moved easterly 0′.8, H decreased 2γ and increased 50γ, and Z increased 4γ. Conditions following were relatively quiet.

March 21.--The hours from 17h to 19h, March 21, showed large fluctuations in H.

March 27-29.--A sudden commencement occurred at 17h 34m, March 27. During an interval of four minutes, D moved easterly 1′, H increased 44γ, and Z increased 2γ. A magnetic storm continued until 20h, March 29. From 15h, March 28, until the end of the storm, the traces were much disturbed. Ranges: H, 386γ; D, 7′; Z, 15γ.

April to June, 1939

April 16.--A sudden commencement occurred at 21h 29m, April 16, in H and Z. During a period of five minutes, H increased 40γ, and Z increased 7γ. The trace was quiet afterwards.

April 17.--A sudden commencement occurred at 01h 58m, April 17. During a period of three minutes, D moved westerly 1′, H increased 83γ, and Z increased 13γ. A violent magnetic storm continued until 22h. The value of H dropped rapidly after the commencement and remained low. Numerous fluctuations of large amplitude were recorded in H. Ranges: H, 334γ; D, 10′; Z, 56γ.

April 21.--A remarkable peak in H occurred at 17h 16m, April 21. Beginning at 16h 54m, H increased 211γ in 22 minutes, and returned to normal a little after 18h. A corresponding movement in D took place, amounting to 3′.6 eastward. A radio fade-out lasted from 17h 00m to 17h 45m.

April 23.--A sudden commencement occurred at 05h 46m, April 23. During a period of three minutes, D moved westerly 0′.7, H increased 87γ, and Z increased 15γ. A violent magnetic storm continued until 19h, with a low average value and many fluctuations of large amplitude in H. Ranges: H, 240γ; D, 8′; Z, 50γ.

April 24-25.--A sudden commencement occurred at 17h 35m, April 24. During a period of six minutes, D moved westerly 0′.5, H increased 193γ, and Z increased 17γ. A violent magnetic storm continued until 06h, April 25, and the traces were moderately disturbed until 24h, April 25. Ranges: H, 661γ; D, 6′; Z, 76γ.

April 27.--A sudden commencement in H and Z occurred at 21h 01m, April 27. During a period of four minutes, H increased 37γ and Z increased 6γ. The trace was quiet afterwards.

May 1-2.--A magnetic storm began at 11h 36m, May 1, and continued until approximately 18h, May 2. Ranges: H, 274γ; D, 14′; Z, 47γ.

May 5.--A sudden commencement occurred at 20h 45m, May 5. During a period of three minutes, D moved westerly 0′.8, H decreased 2γ and increased 137γ, and Z increased 18γ. The traces were only slightly disturbed afterwards.

May 6-7.--A sudden commencement occurred at 12h 22m, May 6. During an interval of four minutes, D moved westerly 0′.5, H increased 42γ, and Z increased 1γ. The traces were moderately disturbed until 07h, May 7.

May 27.--A sudden commencement occurred at 20h 52m, May 27. During a period of four minutes D moved

westerly very slightly, H increased 35γ, and Z increased 8γ. The traces were only moderately disturbed afterwards.

June 26.--A sudden commencement occurred at 20h 20m, June 26. During an interval of four minutes, D moved westerly 0′.5, H decreased 4γ and increased 78γ, Z increased 8γ. The traces were normal until 21h 07m when a sudden commencement of similar magnitude to the earlier one occurred, but of opposite sense; during an interval of four minutes, D moved slightly easterly, H decreased 61γ, Z decreased 10γ. Following the second sudden commencement, the traces were normal.

July to September, 1939

July 3.--There was a sudden commencement at 00h 40m, July 3, when in two minutes, H increased 25γ, Z increased 4γ, and D was not affected. Moderate disturbances with a number of large fluctuations in H continued until 21h.

July 4-5.--There was a sudden commencement at 14h 08m, July 4, when in four minutes D moved easterly 1′.8, H increased 83γ, and Z increased 3γ. A magnetic storm followed which continued until 20h, July 5, the last six hours being violently disturbed. A large number of fluctuations in H of large amplitude were recorded. Ranges: H, 304γ; D, 12′; Z, 17γ.

July 14.--There was a sudden commencement of small amplitude at 03h 48m, July 14. During a period of four minutes, H increased 17γ, Z increased 3γ, and D was not affected. Following this sudden commencement, the traces were slightly disturbed until 12h, and then moderately disturbed until 18h.

July 19-20.--There was a sudden commencement at 22h 02m, July 19, when in an interval of four minutes, H increased 45γ, Z increased 9γ, and D was not affected. Conditions were slightly disturbed until 12h 30m, July 20 and then moderately disturbed until 19h 30m.

July 21.--There was a sudden commencement at 09h 15m, July 21, when during a period of four minutes D moved slightly easterly, H increased 27γ, and Z increased 6γ. There were moderately disturbed conditions until 19h.

August 12-13.--There was a sudden commencement at 01h 40m, August 12. Within three minutes, D moved westerly 0′.8, H increased 103γ, and Z increased 17γ. There followed a steady drop in H to a minimum at 04h 39m, August 12, and a slow recovery until 05h, August 13. Range: H, 330γ.

August 16-17.--From 13h, August 16, there were large and rapid oscillations in H until 05h, August 17. Ranges: H, 461γ; D, 12′.7.

August 22-23.--There was a sudden commencement at 00h 42m, August 22. In three minutes, D moved easterly 0′.7, H increased 58γ, and Z increased 9γ. Following this sudden commencement, there was a steady decrease in H over three hours, followed by a slow recovery with large and rapid oscillations ending at 16h, August 23. Range: H, 314γ.

September 2-3.--A sudden commencement occurred at 21h 45m, September 2. In four minutes H increased 70γ after an initial decrease of 2γ, Z increased 13γ, and D moved easterly 0′.5. The record for September 3 was disturbed.

October to December, 1939

October 3-4.--A magnetic storm with large fluctuations in H began at 12h, October 3, and ended at 05h, October 4. Ranges: H, 465γ; D, 13′; Z, 67γ.

October 13-15.--There was a sudden commencement at 02h 06m, October 13. In two minutes, D moved easterly 1′; H increased 85γ; and Z increased 12γ. The elements were disturbed until 07h, October 15. Very rapid fluctuations in H occurred on October 13. The maximum value of H, 29,827γ, was found at 16h 25m, October 13, and the minimum value, 29,260γ, at 22h 11m, October 13. Normal ranges occurred in D and Z.

December 6-8.--Beginning at 20h, December 6, the elements became slightly disturbed. There were moderate fluctuations in H during the daylight hours on December 7 and 8. The disturbance ended at 19h, December 8.

December 21.--The daylight hours from 12h to 19h, December 21, showed moderate fluctuations in H.

January to March, 1940

January 3.--There was a sudden commencement at 14h 41m, January 3, which was followed by generally disturbed conditions through 24h, January 3. Range: H, 625γ.

January 10.--The interval from 13h to 21h, January 10, was moderately disturbed. Range: H, 453γ.

January 18-19.--The interval from 10h, January 18, to 03h, January 19, was moderately disturbed.

February 17.--There was a sharp increase in H at 18h, 35m, February 17, which was associated with a radio fade-out of moderate intensity.

February 24-25.--There was a sudden commencement at 22h 11m, February 24. Somewhat disturbed conditions followed which continued during the daylight hours of February 25.

March 23-26.--There was a sudden commencement at 06h 17m, March 23, which was followed by moderately disturbed conditions until 13h, March 24. The interval from 13h, March 24, to 11h, March 25, was violently disturbed. The period following until 12h, March 26, was moderately disturbed, and the values of H were low. The range in H, on March 24, was 1395γ, which is the largest range recorded at this observatory since its beginning in 1922.

March 29-April 1.--A severe disturbance began at 12h, March 29, and the period until 19h, March 30, was intensely disturbed. A moderately quiet period followed until 09h 42m, March 31, when what appears to have been a sudden commencement occurred. The following interval through approximately 18h, March 31, was much disturbed, and moderately disturbed conditions were recorded through about 21h, April 1. The range in H on March 29 was 948γ.

April to June, 1940

April 1-3.--Moderate disturbances were recorded during this period.

April 25-26.--There was a sudden commencement at 02h 06m, April 25, which was followed by moderately disturbed conditions through 06h, April 26.

May 14.--There was a sharp increase in H at 17h 48m, May 14, which was associated with a radio fade-out.

May 23-24.--There was a strong sudden commencement at 17h 54m, May 23, which was followed by moderately disturbed conditions through May 24.

May 26.--There was a minor sudden commencement ment at 01h 20m, May 26, which was followed by a mild disturbance of short duration.

June 14.--A sudden commencement at 08h 01m, June 14, was followed by mildly disturbed conditions through 14h.

June 25.--A sudden commencement at 02h 55m, June 25, was followed by a strong disturbance lasting through 20h. Approximate range in H was 426γ.

July to September, 1940

July 13.--There was a sudden commencement at 08h 00m, July 13, which was followed by a moderate disturbance lasting until 19h.

August 3.--A moderate disturbance of short duration was recorded between 14h and 19h, August 3.

August 9.--A mild disturbance of short duration occurred between 12h and 15h, August 9.

September 26.--A mild disturbance immediately following a sharp rise in H was recorded between 17h and 22h, September 26.

October to December, 1940

October 7-8.--A mild disturbance in H accompanied by subnormal values occurred on October 7, beginning rather gradually at 00h and lasting until about 21h on the same day. Low values in H were observed also on October 8.

October 26.--There was a mild disturbance in H which began with a sharp rise at 13h 22m, October 26, after which there was a sharp fall, followed by a single bay between 14h 40m and 15h 00m. The disturbance was followed by several hours of subnormal H values.

December 20-25.--A moderate disturbance in H, accompanied also by definite disturbances in D and Z, began gradually about 13h, December 20, and was marked by a series of sharp peaks and bays lasting until about 20h. Subnormal values and mild disturbances in H continued until December 25.

December 31.--A sharp disturbance in H, of short duration, was recorded on December 31. It began at 13h 25m with a rapid rise followed by a rapid fall to a narrow bay; then about an hour later at 14h 30m, a rise of 170γ occurred in ten minutes, followed by a fall of 300γ to a sharp bay in 20 minutes. The next three hours was a period of moderate disturbance, followed by several hours of subnormal values in H and then a return to practically normal conditions at 22h. Both D and Z were somewhat disturbed from the beginning of the storm until after 17h.

January to March, 1941

January 5-6.--Beginning at 15h 44m, January 5, there was a short fall and rapid rise in H not followed by any particular disturbance except for subnormal values during the hours from 02h to 08h, January 6.

January 16-17.--At 15h, January 16, there was a deep fall in H followed by a mild disturbance that continued into the next day and was accompanied by several hours of subnormal values in H. Conditions had returned practically to normal by 24h, January 17.

March 1-2.--This short but very violent storm began abruptly at 03h 57m, March 1, with an increase in H of 80γ in four minutes which was followed by about two hours of moderate disturbance. There was a deep bay at about 07h which was followed by a moderate increase in H and then a second deeper bay which reached a minimum of 29,230γ at 09h 53m, this bay in turn being followed by another peak. At 12h, the peaks were succeeded by rapid fluctuations and a great increase in H reaching the maximum, 29,870γ, at 13h 18m. During the next three hours, there were rapid fluctuations and a general decrease in H which reached a first minimum of 28,710γ at 16h 27m; this was followed by a rapid increase again to 29,620γ at 17h 04m with a second peak of about the same height at 17h 22m. In the next 40 minutes, H decreased over 900γ, reaching the minimum of the storm, 28,690γ, at 18h 25m; then H increased to about 29,100γ and remained at that level under moderately disturbed conditions until the storm stopped rather abruptly at about 23h 30m. The following day was unusually quiet, H remaining low.

March 14-15.--At 00h, March 14, there was a moderate decrease in H accompanied by a disturbance. Several small peaks and bays were recorded in the period up to 21h. Abnormally low values of H were encountered up to 07h, March 15.

March 19.--Beginning at 11h, March 19, a sharp disturbance in H was recorded. There was a gradual decrease to a deep bay at 13h, a small peak at 14h, and a second bay at 14h 40m. H then rose to practically normal position during the next hour.

March 28-30.--Beginning at about 00h, March 28, there was a moderate disturbance marked by irregular movements and decrease in the value of H, followed by greater activity, with several small peaks and bays, during the period from 13h to 21h. The next two days were marked by abnormally low values of H and a very deep bay in H between 20h and 24h, March 30.

April to June, 1941

April 24-25.--There was a moderate disturbance on April 24 and 25 beginning shortly after 07h on April 24, which was characterized by a series of small peaks and bays and a marked decrease in H for about 24 hours. D and Z were mildly disturbed during the daylight hours of April 24 also.

June 16-17.--A mild magnetic disturbance began June 16 suddenly at 17h 28m with a sharp decrease in H of 62γ in four minutes followed by a slow rise and at 18h 50m a second rapid decrease of 151γ in seven minutes. After a moderate increase, H slowly fell to a very low value during the hours from 23h on June 16 to 02h on June 17. Recovery to normal values was practically complete by 07h on June 17.

July to September, 1941

July 4-5.--Beginning suddenly at 03h 45m, July 4, with an increase of 45γ in H in three minutes, and followed by almost 24 hours of only very mild activity, this disturbance developed into a severe storm on July 5. It began approximately at midnight, reached its maximum severity about noon, and then fell off again by the end of the day. It was marked by several peaks and bays, with particularly large ones at about 12h and 13h 30m. Both D and Z were also markedly effected.

August 4.--There was an active storm, beginning with sudden increase of about 45γ in H at 01h 30m, August 4. This was followed by only moderate variations in H until after 11h when a series of sharp peaks and bays lasting until 21h was recorded, followed by three hours of low H values. D and Z were also mildly disturbed during the same hours. After the end of the day there was practically no magnetic disturbance though low values in H were recorded for several days.

August 26-27.--A minor disturbance began gradually during the early hours of August 26 and was characterized by a few moderate peaks and bays in H during the midday hours of August 26 and 27 and by a marked decrease in H values.

September 7.--There was a sudden commencement with an increase of 13γ in H at 04h 43m, September 7, followed by a very mild disturbance with no unusual characteristics.

September 13.--Beginning at 07h 58m, September 13, with a small increase in H, there was a moderate disturbance characterized by one moderate peak and one deep bay, and followed by mild fluctuations during the day.

September 18-20.--A violent storm began at 04h 13m September 18, with a short increase in H which was followed immediately by sharp movements and a gradual decrease in H, so that after 08h, H was recorded almost entirely by the reserve-spot. The movements became more rapid and violent, and during the height of the storm from 11h to 20h, the regular reserve-spot went off the trace several times and finally completely off the trace at 20h 15m. The reserve-spot began recording again at about 02h, September 19. A complete record of the storm was obtained from the H insensitive variometer. The maximum occurred at 13h 55m, and the minimum at 15h 42m, September 18, with a range of 626γ. There were several large peaks and bays in H during the early hours of September 19, and the disturbance subsided toward the end of the day. D and Z were markedly disturbed during the height of the storm but with no unusual features. Very low values were recorded on September 20, and the average value of H was low to the end of the month.

October to December, 1941

October 22.--Between 13h and 21h, October 22, there was a moderate disturbance characterized by small and relatively rapid movements resulting in a number of peaks and bays in H. D and Z were only mildly disturbed.

October 31-November 1.--This storm began with an increase of 54γ in H in three minutes at 03h 42m, October 31. It was characterized by mild disturbances in D and Z and moderate disturbances in H, which consisted, in general, of fluctuations, but with three deep bays recorded at 17h 20m, October 31, and at 00h 50m and 17h 20m, November 1. The storm terminated at 19h November 1, though H values continued low for several days.

November 27-28.--This mild disturbance began with a sharp rise of 35γ in H at 03h 43m, November 27. It was notable only for a long gradual decrease in H during the early hours of November 28 and rapid movements in H from 16h to 20h, which later culminated in a deep bay with a minimum at 19h 27m, which was 300γ less than is normal for that time of day. D and Z were only mildly disturbed.

December 1.--There was a short but severe storm on December 1, beginning with a rapid increase of 48γ in H at 05h 57m. This was followed by five hours of moderate disturbance and oscillations in H, and then by six hours of large and rapid movements with several peaks and deep bays with a total range of 530γ. Though the disturbance continued in a mild form for a few hours more, the storm ended at approximately 17h. D and Z were markedly disturbed during the height of the storm, and as is usual at this station, there were several days of subnormal values in H after the storm.

January to March, 1942

January 2.--This short disturbance began with a sharp rise in H of 63γ at 12h 34m, January 2, and was followed by several peaks and bays during the following six hours, the disturbance ending at about 19h. D and Z showed only slight disturbances.

February 23.--Beginning at 13h 28m, February 23, there was a minor disturbance notable only for its commencement and a rapid rise in H of 110γ in six minutes. This was followed by about six hours of moderate oscillations in H and a mild depression in H values for some days afterward.

February 28-March 1.--A severe storm lasting two days began at 09h 03m, February 28, with a small sudden rise in H which was followed by only slight disturbance except for deep narrow bays at 12h 10m and 15h 55m and a wider bay at 17h 20m. From then until 07h 26m, March 1, magnetic conditions were relatively quiet, but at that time there was a rise in H of 147γ in three minutes, and this was followed by 13 hours of rapid movements in H, mostly of small range but with one deep bay at 09h 30m. The range in H during the two days was 470γ, and D and Z showed marked disturbances of small range during the active hours of both days. H recorded subnormal values for several days following the storm.

March 5.--A short disturbance began at 04h 18m, March 5, with a sudden increase in H followed by only mild variations until after 15h when there were several sharp peaks and bays with a maximum at 15h 27m and a minimum at 21h 32m, the range between the maximum and the minimum being 464γ. After 22h the disturbance moderated though H was somewhat subnormal for a few days. D and Z showed only slight perturbations during the seven hours of greatest activity.

March 26.--This moderate disturbance began with a short, rapid rise in H at 06h 38m, March 26. There followed nine hours of small peaks and bays and then two deep bays and two sharp peaks, with a total range of 380γ in ten minutes, just before 17h. After 17h, there was a succession of short peaks and bays until about 21h, when the activity largely ceased. There were only mild fluctuations in D and Z during the disturbance, except during the ten minutes of intense activity in H.

April to June, 1942

No sudden commencements or magnetic disturbances were recorded during this quarter.

July to September, 1942

July 11.--This slight disturbance beginning at 00h, July 11, was characterized by a complete absence of the

normal daylight maximum in H and by irregular moderate-size peaks and bays until after 22h. The effects on D and Z were very small. It was followed by two days of somewhat low values in H.

October to December, 1942

October 2.--Beginning at 02h 47m, October 2, with a small sharp rise in H, there was a moderate disturbance which was marked by a number of narrow peaks and bays in H with a maximum range of about 200γ during the daylight hours of October 2. Subnormal values of H followed for several days. D and Z were only mildly affected during the hours of maximum disturbance in H.

October 28-31.--A strong disturbance gradually developed beginning at about 12h, October 28. There were several small peaks and bays in H until after 16h, then a marked decrease and two large bays, the range being about 385γ. H continued disturbed for three days with unusually low mean values during this time. Both D and Z were moderately disturbed on October 28, but showed only minor disturbance thereafter.

November 22-28.--Apparently beginning with a number of small pulsations in H on November 22, a minor storm developed gradually on November 23 which lasted more or less continuously through November 26, subsided on November 27, and then flared up again on November 28. The greatest activity was registered on November 23 during the daylight hours when in addition to moderate fluctuations in H there were two deep bays, the second of which was the beginning of unusually low values in H which continued practically to the end of the month. The activity during the remaining part of the storm was confined to moderately rapid and smaller fluctuations in H, and to slight activity in D and Z.

December 9.--A short disturbance began at 15h 06m, December 9, with a sharp decrease in H followed by several moderately deep bays and high peaks. It ended at about 20h and was followed by only very slight decrease in H values. D and Z showed only slight disturbances.

December 20-21.--H showed a very mild disturbance from about 19h, December 20, but a sharp decrease took place at 13h 35m, December 21, followed by nearly five hours of marked disturbance with several long peaks and bays. D and Z showed practically no effect, but H was low for a few days and mildly disturbed during the daylight hours.

January to March, 1943

January 4.--Beginning at about 11h, January 4, there was a short, sharp disturbance during the daylight hours which was characterized by rapid small changes in H superimposed on several narrow peaks and bays. The range was only 150γ during the eight hours of the disturbance. D and Z were mildly disturbed.

January 17.--A sudden commencement at 02h 32m, January 17, with an increase of 39γ in five minutes in H, was the beginning of a short and rather mild disturbance. By 20h the activity. which was at its maximum between 12h and 19h, had largely ceased. There was one deep bay in H with its maximum at 13h 24m and several smaller peaks and bays, and a total range of 220γ in H. D and Z were only slightly affected even during the height of the disturbance.

March 29.--A small disturbance began at 15h, March 29, with small fluctuations in H. At 18h 38m, there began a rapid increase in H of 116γ in six minutes. This was succeeded by an almost steady decrease of over 190γ in about three hours, after which the disturbance ceased. Extremely low values of H were recorded during the following few days. Neither D nor Z showed much effect of the disturbance.

April to June, 1943

No sudden commencements or magnetic disturbances were recorded during this quarter.

July to September, 1943

August 28-31.--Several days of moderate disturbance began at about 04h 30m, August 28, with irregular changes in H which developed to a sharp maximum at 08h and a deep minimum at 10h 12m, with a range of 251γ. There were no other marked large changes before quiet conditions returned at about 19h. There was only very mild disturbance in H for two days until the late hours of August 30, when a series of deep bays and moderately high peaks began which gave a minimum value of H at 01h 47m, August 31. Between 08h and 11h 30m, August 31, there was little activity. Thereafter a series of moderate peaks and bays was encountered until about 21h. There was only a slight decrease in H values after the storm, and D and Z showed moderately marked variations only during the daylight hours of August 28 and 31.

October to December, 1943

November 19-27.--Beginning gradually in the early hours of November 19, a disturbance was recorded which continued at approximately the same intensity for about nine days. The maximum range in H occurred on November 19 and was 225γ. The disturbance during the entire period was characterized by small but relatively rapid changes in H and by an almost complete absence of the usual large increase during the daylight hours. There was also a moderate decrease in the mean H values during the period, and slight disturbance in D and Z.

January to March, 1944

February 7.--A short disturbance was recorded beginning at 12h, February 7. There was a conspicuous decrease of about 150γ in H during the first hour, followed by a number of sharp peaks and bays till after 18h, and then reduced activity for about two hours more. D and Z were noticeably disturbed during the period of activity in H. H was somewhat below normal the next day. The total range in H during the disturbed period was 180γ.

March 26-27.--This disturbance began at 02h 00m, March 26, with an increase in H of 28γ in five minutes. Small peaks and bays were present during the next nine hours. From 13h 46m to 14h 20m, there were sharp oscillations in H and minor ones in D and Z. H sharply decreased 112γ at 14h 05m in a period of about one and one-half minutes. Rapid oscillations began again in H at 23h 20m, March 26, and continued to the end of the storm at about 07h, March 27.

April to June, 1944

April 2.--A moderate disturbance began with a small but sharp downward movement in H at 05h 37m, April 2, which was followed by an irregular decrease to a deep bay at 09h 10m. This was followed by a sharp peak 30 minutes later and another deeper bay just before 12h. After this time there was only mild disturbance during the daily maximum period and small irregular movements for the rest of the day. D and Z showed the effect of the disturbance largely by greater ranges than normal for the day.

July to September, 1944

No sudden commencements or magnetic disturbances were recorded during this quarter.

October to December, 1944

October 11.--A short disturbance began gradually at about 13h, October 11, and was noteworthy for a rapid decrease in H between 15h 40m and 15h 50m, a very large decrease from 16h 10m to 16h 35m, and a very low minimum at 16h 48m. The range in H was 295γ in a little over an hour. The disturbance died out rapidly after 17h and affected D and Z only mildly.

December 13.--A short sharp disturbance was recorded from about 11h to 20h, December 13. It had a moderate beginning with small peaks and bays in H, followed by two high peaks at 15h 42m and 17h 06m. There was a deep bay in H at 18h 07m. The range in H during the storm was 305γ. D and Z showed only mild disturbance from about 12h to 18h.

December 15-18.--A severe storm began with a rapid increase in H at 13h 52m, December 15, after which there were several sharp peaks of medium size. On December 16, the changes in H became more rapid and erratic. The maximum of the day at 13h 30m was followed by several more peaks and bays with rapid small movements. At 15h 13m, there was a very rapid decrease in H of about 280γ in four minutes, the reserve-spot going well off the lower edge of the trace. The reserve-spot also went off the trace during a later deep bay at 17h 02m. During the night of December 16, the disturbance diminished quite markedly, but developed again during the daylight hours of December 17 with numbers of small peaks and bays combined with small rapid movements. The storm ended gradually at about 01h, December 18. D and Z were markedly disturbed during the height of the storm, and values of H were low for a day or two afterwards.

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TABLES 1-19

MAGNETOGRAPH TEMPERATURES, SCALE VALUES, AND BASE LINES; MONTHLY AND ANNUAL MEANS OF THE MAGNETIC ELEMENTS, 1936-1944

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Table 1. Observatory staff from 1936 to 1944

Year	Observer-in-charge	Observers and aides
1936	O. W. Torreson, to Dec. 1 F. T. Davies, from Dec. 1	W. E. Scott; F. T. Davies, from Oct. 31 to Dec. 1; H. E. Stanton; T. Astete; A. Macha
1937	F. T. Davies	W. E. Scott, to Sep. 23; H. E. Stanton; W. Culmsee, from Sep. 1; H. W. Wells, from Oct. 8; T. Astete; A. Macha
1938	F. T. Davies	H. W. Wells; H. E. Stanton; W. Culmsee; T. Astete; A. Macha
1939	F. T. Davies, to Oct. 1 H. W. Wells, from Oct. 1	H. W. Wells, to Sep. 30; W. Culmsee; H. E. Stanton, to Mar. 1; R. C. Coile, from Oct. 20; T. Astete; A. Macha; V. Murga, from Feb. 27
1940	H. W. Wells, to Nov. 1 P. G. Ledig, from Nov. 1	W. Culmsee, to Sep. 30; R. C. Coile; P. G. Ledig, from Oct. 10 to Nov. 1; M. W. Jones, from Dec. 20; T. Astete; A. Macha; V. Murga
1941	P. G. Ledig	R. C. Coile; M. W. Jones; T. Astete; A. Macha; V. Murga
1942	P. G. Ledig	R. C. Coile, to Feb. 9; M. W. Jones; E. J. Chernosky, from May 2; A. A. Giesecke, Jr., from Jan. 29; T. Astete; A. Macha; V. Murga
1943	P. G. Ledig	M. W. Jones; A. A. Giesecke, Jr.; E. J. Chernosky; T. Astete; A. Macha; V. Murga
1944	P. G. Ledig	M. W. Jones; A. A. Giesecke, Jr.; E. J. Chernosky; T. Astete; A. Macha, to June 10; V. Murga; E. Melgar, from June 15

Table 2. Monthly mean and range in temperatures, Eschenhagen Magnetograph

Month	1936		1937		1938		1939		1940	
	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range
	°	°	°	°	°	°	°	°	°	°
Jan	17.2	0.4	17.3	0.3	17.4	0.7	16.7	0.7	17.0	0.3
Feb	17.2	0.4	17.2	0.2	17.6	0.4	16.9	0.4	17.2	0.6
Mar	17.1	0.5	17.2	0.7	17.1	1.1	16.8	0.4	17.2	0.4
Apr	16.6	0.4	16.8	0.5	17.1	0.8	16.7	0.4	17.1	0.5
May	17.1	0.4	16.4	0.5	16.4	0.6	16.3	0.9	16.4	0.5
Jun	16.5	1.0	16.4	0.8	15.7	1.0	16.0	0.8	16.1	0.4
Jul	15.4	0.8	16.1	0.6	15.6	1.0	15.5	0.6	15.3	1.2
Aug	15.6	0.5	16.3	0.7	15.7	0.5	15.3	0.4	15.3	1.2
Sep	16.3	0.9	16.9	0.5	16.7	1.0	16.0	1.1	16.6	1.3
Oct	17.0	0.3	17.1	0.3	16.8	0.2	16.7	0.5	17.2	0.6
Nov	17.2	0.5	17.1	0.3	16.9	0.5	17.0	0.3	17.3	0.4
Dec	17.1	0.6	17.2	0.4	17.2	0.2	17.1	0.6	17.5	0.4
Year	16.7	0.6	16.8	0.5	16.7	0.7	16.4	0.6	16.7	0.6

Month	1941		1942		1943		1944	
	Mean	Range	Mean	Range	Mean	Range	Mean	Range
	°	°	°	°	°	°	°	°
Jan	17.6	0.3	17.5	0.8	16.9	0.8	16.6	0.6
Feb	17.8	0.2	17.8	0.5	16.7	0.7	16.4	0.5
Mar	17.8	0.3	17.9	0.6	17.2	0.9	16.6	0.5
Apr	17.8	0.3	17.3	0.7	16.9	1.2	16.5	0.5
May	17.5	1.1	16.9	1.5	16.1	0.8	16.2	0.8
Jun	15.8	1.7	15.9	1.0	15.7	1.2	14.9	1.9
Jul	15.5	0.6	15.1	0.6	14.6	1.1	14.7	0.9
Aug	16.0	0.8	15.8	1.3	15.2	0.8	15.5	0.9
Sep	16.5	0.6	16.5	0.4	16.1	0.9	16.0	0.7
Oct	17.1	0.4	17.0	0.7	16.8	0.7	17.0	0.6
Nov	17.4	0.5	16.9	0.9	16.8	0.5	17.0	0.4
Dec	17.3	0.5	16.9	1.0	16.7	0.6	16.8	0.8
Year	17.0	0.6	16.8	0.8	16.3	0.8	16.2	0.8

Table 3. Summary of adopted values of A (where $A = \epsilon h - Bh$, $B = 0.004$, and h is ordinate in mm) from H scale-value determinations with Helmholtz Coil

Range in determinations of A	No. of observations	Adopted value of A	Adopted A used to	Range in determinations of A	No. of observations	Adopted value of A	Adopted A used to
γ/mm		γ/mm		γ/mm		γ/mm	
1936				1941			
2.03-2.12	52	2.06	24h, Dec 31	2.00-2.06	26	2.02	24h, Jun 30
1937				2.00-2.06	27	2.01	24h, Dec 31
2.02-2.12	52	2.06	24h, Dec 31	1942			
1938				1.94-2.05	51	2.00	24h, Dec 31
2.00-2.12	51	2.05	24h, Dec 31	1943			
1939				1.96-2.03	31	1.99	24h, Jun 30
2.01-2.08	50	2.05	24h, Dec 31	1.94-2.02	41	1.98	24h, Dec 31
1940				1944			
1.98-2.14	17	2.04	24h, Apr 30	1.94-2.00	25	1.97	24h, Jun 30
2.00-2.04	18	2.03	24h, Aug 31	1.92-1.99	27	1.96	24h, Dec 31
1.97-2.10	15	2.02	24h, Dec 31				

Table 4. Summary of Z scale-value determinations made with Helmholtz Coil, 1936 to 1944

Range in ϵ_Z observations	No. of observations	Mean value ϵ_Z	Mean value used to	Range in ϵ_Z observations	No. of observations	Mean value ϵ_Z	Mean value used to
γ/mm		γ/mm		γ/mm		γ/mm	
1936				1939			
3.64-3.77	117	3.71	19h, Sep 30	.....	1	4.15	09h, Oct 27
2.92-3.01	23	2.97	16h, Dec 4	4.43-4.71	27	4.53	24h, Dec 31
4.14-4.26	12	4.19	24h, Dec 31	1940			
1937				4.30-4.69	88	4.45	19h, Aug 1
4.22-4.34	18	4.26	10h, Feb 15	4.04-4.30	60	4.18	24h, Dec 31
4.14-4.16	2	4.15	19h, Feb 18	1941			
4.21-4.29	27	4.24	10h, Apr 26	4.22-4.25	2	4.18	10h, Jan 4
.....	1	4.19	21h, Apr 27	4.06-4.18	22	4.12	14h, Mar 1
.....	1	3.02	21h, Apr 28	.....	...	[4.62]	09h, Mar 3
.....	1	3.31	10h, Apr 29	4.53-4.81	62	4.73	24h, Jul 31
.....	1	2.69	19h, Apr 29	4.64-4.89	65	4.74	24h, Dec 31
2.74-2.84	7	2.79	19h, May 14	1942			
2.86-2.90	4	2.89	10h, May 24	4.60-4.79	7	4.74	19h, Jan 18
4.20-4.21	2	4.20	17h, May 27	.....	1	4.66	19h, Jan 19
3.96-4.13	11	4.06	15h, Jun 18	4.36-4.57	31	4.47	24h, Mar 31
3.45-3.54	10	3.48	09h, Jul 19	4.39-4.60	24	4.48	09h, May 29
3.37-3.48	19	3.43	08h, Aug 31	4.30-4.50	70	4.38	19h, Nov 19
3.45-3.57	36	3.50	24h, Nov 30	.....	1	4.18	19h, Nov 20
3.96-4.06	5	4.02	10h, Dec 10	4.07-4.15	13	4.11	09h, Dec 21
4.13-4.17	4	4.15	09h, Dec 22	4.00-4.04	3	4.03	24h, Dec 31
3.95-4.05	4	4.01	24h, Dec 31	1943			
1938				.....	1	4.07	19h, Jan 5
3.80-3.92	5	3.87	19h, Jan 11	4.11-4.25	17	4.16	19h, Feb 13
3.37-3.48	5	3.43	24h, Jan 22	.....	...	[4.22]	19h, Feb 14
3.48-3.68	35	3.59	10h, Apr 17	4.23-4.33	11	4.29	10h, Mar 29
3.48-3.56	17	3.52	19h, May 27	4.24-4.26	3	4.25	09h, Apr 8
3.90-4.06	15	4.01	11h, Jul 2	4.11-4.23	19	4.17	15h, May 19
3.48-3.51	3	3.50	12h, Jul 8	3.95-3.95	3	3.95	17h, May 25
3.57-3.83	21	3.73	15h, Aug 24	3.61-3.76	2	3.68	17h, May 27
3.54-3.76	23	3.64	08h, Oct 20	3.57-3.91	22	3.81	24h, Jul 19
3.64-3.76	29	3.75	24h, Dec 31	3.88-4.11	42	4.02	19h, Oct 22
1939				3.83-3.90	4	3.85	10h, Nov 4
3.72-3.80	10	3.75	10h, Jan 26	4.02-4.24	22	4.11	24h, Dec 31
3.69-3.70	2	3.70	19h, Jan 28	1944			
3.87-3.91	2	3.89	19h, Feb 5	4.01-4.19	73	4.11	10h, Jul 5
.....	1	4.07	09h, Feb 7	3.90-4.10	5	4.02	19h, Jul 12
3.46-3.48	2	3.47	08h, Feb 13	4.11-4.15	3	4.12	16h, Jul 17
3.54-3.82	37	3.70	14h, May 10	4.43-4.49	12	4.46	19h, Aug 9
3.26-3.44	70	3.34	14h, Oct 20	4.28-4.40	13	4.35	19h, Sep 8
.....	1	3.27	15h, Oct 23	4.25-4.33	19	4.30	15h, Oct 23
.....	1	4.38	08h, Oct 26	4.28-4.40	31	4.35	24h, Dec 31

Table 5. Observed base-line values for the D variometer, and respective adopted values
Eschenhagen Magnetograph
(Observed values determined with Magnetometer No. 10)
(East declination)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1936	° ′	° ′		1937	° ′	° ′	
Jan 7	6 52.2	6 52.4		Jan 5	6 53.0	6 52.6	
Jan 14	6 52.6	6 52.4		Jan 12	6 52.2	6 52.6	
Jan 21	6 52.2	6 52.4		Jan 19	6 52.4	6 52.6	
Jan 28	6 52.0	6 52.4		Jan 26	6 53.2	6 52.6	
Feb 4	6 52.4	6 52.4		Feb 2	6 52.9	6 52.6	
Feb 11	6 52.5	6 52.4	24h, Feb 14	Feb 9	6 52.0	6 52.6	10h, Feb 15
Feb 18	6 52.4	6 52.5		Feb 16	6 52.8	6 52.5	
Feb 25	6 52.6	6 52.5		Feb 23	6 52.1	6 52.5	
Mar 3	6 52.4	6 52.5		Mar 2	6 51.9	6 52.5	
Mar 10	6 52.6	6 52.5		Mar 9	6 51.9	6 52.5	
Mar 17	6 52.5	6 52.5		Mar 16	6 52.2	6 52.5	
Mar 24	6 52.5	6 52.5		Mar 23	6 52.4	6 52.5	
Mar 31	6 52.4	6 52.5		Mar 30	6 53.0	6 52.5	
Apr 7	6 52.6	6 52.5		Apr 6	6 52.3	6 52.5	
Apr 14	6 52.7	6 52.5		Apr 13	6 52.2	6 52.5	
Apr 21	6 52.4	6 52.5		Apr 20	6 52.9	6 52.5	
Apr 28	6 52.3	6 52.5		Apr 27	6 52.8	6 52.5	
May 5	6 52.7	6 52.5		May 4	6 52.0	6 52.5	
May 12	6 52.7	6 52.5		May 11	6 52.8	6 52.5	
May 19	6 52.1	6 52.5		May 18	6 52.2	6 52.5	
May 26	6 52.5	6 52.5	24h, May 31	May 25	6 52.8	6 52.5	
Jun 2	6 52.2	6 52.4		Jun 1	6 52.3	6 52.5	
Jun 9	6 52.5	6 52.4		Jun 8	6 53.2	6 52.5	
Jun 16	6 52.2	6 52.4		Jun 15	6 52.4	6 52.5	14h, Jun 18
Jun 23	6 52.4	6 52.4		Jun 23	6 52.4	6 52.3	
Jun 30	6 52.5	6 52.4		Jun 29	6 51.8	6 52.3	
Jul 6	6 52.0	6 52.4		Jul 6	6 52.9	6 52.3	
Jul 14	6 52.3	6 52.4		Jul 13	6 52.0	6 52.3	
Jul 21	6 52.4	6 52.4		Jul 20	6 52.9	6 52.3	
Jul 28	6 52.7	6 52.4	24h, Jul 31	Jul 27	6 52.1	6 52.3	
Aug 4	6 52.3	6 52.3		Aug 3	6 52.8	6 52.3	
Aug 11	6 52.7	6 52.3		Aug 10	6 52.0	6 52.3	
Aug 18	6 52.0	6 52.3		Aug 17	6 52.9	6 52.3	
Aug 25	6 52.2	6 52.3		Aug 24	6 51.9	6 52.3	
Sep 1	6 52.2	6 52.3		Aug 31	6 53.0	6 52.3	
Sep 8	6 52.3	6 52.3		Sep 7	6 51.8	6 52.3	
Sep 15	6 52.3	6 52.3		Sep 14	6 52.0	6 52.3	
Sep 21	6 52.3	6 52.3		Sep 21	6 51.9	6 52.3	
Sep 29	6 52.0	6 52.3	24h, Sep 30	Sep 28	6 53.0	6 52.3	
Oct 6	6 52.4	6 52.4		Oct 5	6 51.9	6 52.3	
Oct 13	6 52.2	6 52.4		Oct 12	6 51.8	6 52.3	
Oct 20	6 52.4	6 52.4		Oct 19	6 52.2	6 52.3	
Oct 27	6 52.4	6 52.4		Oct 26	6 52.3	6 52.3	
Nov 3	6 52.3	6 52.4		Nov 2	6 52.3	6 52.3	
Nov 10	6 52.0	6 52.4		Nov 9	6 52.4	6 52.3	
Nov 17[a]	6 52.5	6 52.4		Nov 16	6 52.2	6 52.3	
Nov 24	6 52.6	6 52.4		Nov 23	6 52.4	6 52.3	
Dec 1	6 52.2	6 52.4	15h, Dec 4	Nov 30	6 51.9	6 52.3	
Dec 8	6 52.6	6 52.6		Dec 7	6 52.4	6 52.3	
Dec 15	6 52.3	6 52.6		Dec 14	6 52.4	6 52.3	
Dec 22	6 52.8	6 52.6		Dec 21	6 52.4	6 52.3	
Dec 28	6 52.7	6 52.6		Dec 28	6 52.0	6 52.3	19h, Dec 31

[a]Intercomparison observations with CIW Magnetometer-Inductor No. 13, November 19-21, 1936

Table 5. Observed base-line values for the D variometer, and respective adopted values--Continued
(East declination)

Date	Observed	Adopted	Adopted value used to
1938	° ′	° ′	
Jan 4	6 52.0	6 52.1	
Jan 11	6 52.1	6 52.1	19h, Jan 11
Jan 19	6 52.6	6 52.3	
Jan 26	6 52.6	6 52.3	
Feb 1	6 52.4	6 52.3	
Feb 9	6 52.5	6 52.3	
Feb 15	6 52.0	6 52.3	
Feb 22	6 52.2	6 52.3	
Mar 1	6 52.2	6 52.3	
Mar 8	6 52.3	6 52.3	
Mar 15	6 52.4	6 52.3	
Mar 22	6 52.5	6 52.3	
Mar 29	6 52.3	6 52.3	
Apr 5	6 52.3	6 52.3	
Apr 12	6 52.5	6 52.3	
Apr 19	6 52.4	6 52.3	
Apr 26	6 52.1	6 52.3	
May 3	6 52.2	6 52.3	
May 10	6 52.3	6 52.3	
May 17	6 52.0	6 52.3	
May 24	6 52.6	6 52.3	19h, May 27
May 31	6 52.1	6 52.2	
Jun 7	6 52.3	6 52.2	
Jun 14	6 52.1	6 52.2	
Jun 21	6 52.2	6 52.2	
Jun 28	6 52.4	6 52.2	11h, Jul 2
Jul 5	6 49.1	6 49.6	
Jul 12	6 49.8	6 49.6	
Jul 12	6 49.6	6 49.6	
Jul 19	6 49.5	6 49.6	
Jul 20	6 49.8	6 49.6	
Jul 26	6 49.7	6 49.6	
Aug 2	6 49.5	6 49.6	
Aug 9	6 49.7	6 49.6	
Aug 16	6 49.6	6 49.6	
Aug 23	6 49.8	6 49.6	15h, Aug 24
Aug 30	6 49.9	6 49.7	
Sep 6	6 49.6	6 49.7	
Sep 13	6 49.5	6 49.7	
Sep 20	6 49.7	6 49.7	
Sep 27	6 49.4	6 49.7	
Oct 4	6 49.7	6 49.7	
Oct 12	6 49.8	6 49.7	
Oct 19	6 49.9	6 49.7	08h, Oct 20
Oct 28	6 49.6	6 49.6	
Nov 2	6 49.3	6 49.6	
Nov 9	6 49.4	6 49.6	
Nov 16	6 49.8	6 49.6	
Nov 23	6 49.6	6 49.6	
Nov 29	6 49.6	6 49.6	
Dec 8	6 49.4	6 49.6	
Dec 14	6 49.7	6 49.6	
Dec 22	6 49.5	6 49.6	
Dec 28	6 49.6	6 49.6	

Date	Observed	Adopted	Adopted value used to
1939	° ′	° ′	
Jan 4	6 49.5	6 49.6	
Jan 11	6 49.9	6 49.6	
Jan 18	6 49.6	6 49.6	
Jan 25	6 49.6	6 49.6	
Feb 1	6 49.8	6 49.6	
Feb 8	6 49.6	6 49.6	
Feb 15	6 49.5	6 49.6	
Feb 22	6 49.7	6 49.6	
Mar 1	6 49.8	6 49.6	
Mar 8	6 49.6	6 49.6	
Mar 15	6 49.4	6 49.6	
Mar 22	6 49.7	6 49.6	
Mar 29	6 49.7	6 49.6	24h, Mar 31
Apr 5	6 49.7	6 49.7	
Apr 13	6 49.5	6 49.7	
Apr 19	6 49.5	6 49.7	
Apr 26	6 50.3	6 49.7	
May 3	6 49.7	6 49.7	14h, May 10
May 10	6 49.9	6 49.9	
May 17	6 49.8	6 49.9	
May 24	6 50.0	6 49.9	
May 31	6 50.0	6 49.9	
Jun 7	6 50.0	6 49.9	
Jun 14	6 49.7	6 49.9	
Jun 21	6 49.8	6 49.9	
Jun 28	6 50.0	6 49.9	
Jul 5	6 49.7	6 49.9	
Jul 12	6 50.0	6 49.9	
Jul 19	6 50.0	6 49.9	
Jul 26	6 49.9	6 49.9	
Aug 2	6 50.0	6 49.9	
Aug 9	6 50.1	6 49.9	
Aug 16	6 49.9	6 49.9	
Aug 23	6 50.0	6 49.9	
Aug 30	6 49.7	6 49.9	24h, Aug 31
Sep 6	6 50.0	6 50.0	
Sep 13	6 49.9	6 50.0	
Sep 20	6 50.1	6 50.0	
Sep 27	6 50.0	6 50.0	
Oct 11	6 50.3	6 50.0	
Oct 18	6 49.6	6 50.0	
Oct 25	6 50.2	6 50.0	24h, Oct 31
Nov 1	6 49.9	6 50.1	
Nov 8	6 50.4	6 50.1	
Nov 15	6 50.7	6 50.1	
Nov 22	6 50.1	6 50.1	
Nov 29	6 50.4	6 50.1	
Dec 6	6 49.8	6 50.1	
Dec 13	6 50.2	6 50.1	
Dec 20	6 50.1	6 50.1	
Dec 27	6 50.1	6 50.1	24h, Dec 31

Table 5. Observed base-line values for the D variometer, and respective adopted values--Continued
(East declination)

Date	Observed	Adopted	Adopted value used to
1940	° ′	° ′	
Jan 4	6 50.0	6 50.2	
Jan 11	6 50.3	6 50.2	
Jan 17	6 50.0	6 50.2	
Jan 24	6 50.3	6 50.2	
Jan 31	6 50.3	6 50.2	
Feb 14	6 50.1	6 50.2	
Feb 28	6 50.5	6 50.2	
Mar 6	6 50.2	6 50.2	
Mar 13	6 50.4	6 50.2	
Mar 20	6 50.0	6 50.2	
Mar 27	6 49.8	6 50.2	
Apr 10	6 50.1	6 50.2	
Apr 17	6 50.1	6 50.2	
Apr 24	6 50.2	6 50.2	24h, Apr 30
May 1	6 50.4	6 50.3	
May 8	6 49.9	6 50.3	
May 15	6 50.5	6 50.3	
May 22	6 50.1	6 50.3	
May 29	6 50.5	6 50.3	
Jun 5	6 50.3	6 50.3	
Jun 12	6 50.4	6 50.3	
Jun 19	6 50.3	6 50.3	
Jun 26	6 50.5	6 50.3	
Jul 3	6 50.3	6 50.3	
Jul 10	6 50.4	6 50.3	
Jul 17	6 50.2	6 50.3	
Jul 24	6 50.4	6 50.3	
Jul 31	6 50.0	6 50.3	
Aug 7	6 50.1	6 50.3	
Aug 14	6 50.0	6 50.3	
Aug 21	6 49.7	6 50.3	
Aug 28	6 50.6	6 50.3	
Sep 4	6 50.5	6 50.3	
Sep 11	6 50.4	6 50.3	
Sep 25	6 50.5	6 50.3	
Oct 2	6 50.4	6 50.3	
Oct 9	6 50.1	6 50.3	
Oct 16	6 50.7	6 50.3	
Oct 23	6 50.5	6 50.3	
Oct 30	6 50.4	6 50.3	24h, Oct 31
Nov 6	6 50.0	6 50.2	
Nov 14	6 50.8	6 50.2	
Nov 20	6 50.2	6 50.2	
Nov 27	6 49.8	6 50.2	24h, Nov 30
Dec 4	6 50.0	6 50.1	
Dec 11	6 49.8	6 50.1	
Dec 17	6 50.7	6 50.1	
Dec 26	6 49.9	6 50.1	24h, Dec 31

Date	Observed	Adopted	Adopted value used to
1941	° ′	° ′	
Jan 2	6 49.8	6 50.0	
Jan 15	6 49.7	6 50.0	24h, Jan 15
Jan 29	6 50.2	6 49.9	24h, Jan 30
Feb 5	6 50.1	6 49.8	
Feb 12	6 49.9	6 49.8	24h, Feb 14
Feb 19	6 49.6	6 49.7	
Feb 26	6 49.7	6 49.7	14h, Mar 1
Mar 5	6 32.6	6 32.9	
Mar 12	6 32.9	6 32.9	
Mar 19	6 33.1	6 32.9	
Mar 27	6 33.0	6 32.9	
Apr 2	6 32.6	6 32.9	
Apr 9	6 32.5	6 32.9	
Apr 16	6 33.1	6 32.9	
Apr 23	6 32.9	6 32.9	
Apr 30	6 33.6	6 32.9	24h, Apr 30
May 8	6 32.5	6 33.0	
May 14	6 32.8	6 33.0	
May 21	6 32.8	6 33.0	
May 28	6 33.3	6 33.0	
Jun 6	6 33.3	6 33.0	
Jun 11	6 33.0	6 33.0	
Jun 19	6 32.9	6 33.0	
Jun 25	6 33.7	6 33.0	
Jul 3	6 33.1	6 33.0	
Jul 9	6 32.8	6 33.0	
Jul 16	6 33.1	6 33.0	
Jul 23	6 33.2	6 33.0	
Jul 31	6 33.2	6 33.0	
Aug 6	6 32.9	6 33.0	
Aug 13	6 32.8	6 33.0	
Aug 20	6 33.2	6 33.0	
Aug 27	6 32.8	6 33.0	24h, Aug 31
Sep 3	6 32.8	6 32.9	
Sep 10	6 32.5	6 32.9	
Sep 17	6 33.0	6 32.9	
Sep 24	6 33.0	6 32.9	
Oct 1	6 33.6	6 32.9	
Oct 8	6 32.9	6 32.9	
Oct 15	6 32.9	6 32.9	
Oct 22	6 32.9	6 32.9	
Oct 29	6 32.9	6 32.9	
Nov 5	6 32.7	6 32.9	
Nov 12	6 32.9	6 32.9	
Nov 19	6 33.1	6 32.9	
Nov 26	6 32.4	6 32.9	
Dec 3	6 33.1	6 32.9	
Dec 10	6 33.0	6 32.9	
Dec 18	6 32.7	6 32.9	
Dec 24	6 33.0	6 32.9	
Dec 31	6 33.1	6 32.9	24h, Dec 31

Table 5. Observed base-line values for the D-variometer, and respective adopted values--Continued

(East declination)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1942	° ′	° ′		1943	° ′	° ′	
Jan 7	6 32.9	6 33.0	24h, Jan 10	Jan 1[b]	6 32.4	6 32.2	
Jan 14	6 33.0	6 33.1	24h, Jan 20	Jan 1[b]	6 32.3	6 32.2	
Jan 21	6 33.1	6 33.2		Jan 1[b]	6 32.1	6 32.2	
Jan 28	6 33.3	6 33.2	24h, Jan 30	Jan 13	6 32.1	6 32.2	
Feb 6	6 33.6	6 33.3	24h, Feb 9	Jan 20	6 32.2	6 32.2	
Feb 11	6 33.2	6 33.4		Jan 27	6 32.6	6 32.2	
Feb 18	6 33.2	6 33.4	24h, Feb 19	Feb 4	6 31.9	6 32.2	
Feb 25	6 33.7	6 33.5		Feb 10	6 32.2	6 32.2	
Mar 4	6 33.2	6 33.5		Feb 19	6 32.2	6 32.2	
Mar 11	6 33.5	6 33.5		Feb 24	6 32.4	6 32.2	
Mar 18	6 33.5	6 33.5		Mar 3	6 32.0	6 32.2	08h, Mar 9
Mar 25	6 33.0	6 33.5	24h, Mar 31	Mar 10	6 33.2	6 33.1	
Apr 1	6 33.2	6 33.6		Mar 17	6 32.9	6 33.1	
Apr 8	6 33.4	6 33.6		Mar 24	6 33.5	6 33.1	
Apr 15	6 34.0	6 33.6	24h, Apr 15	Mar 31	6 33.7	6 33.1	
Apr 22	6 34.3	6 33.7		Apr 10	6 33.1	6 33.1	
Apr 29	6 33.9	6 33.7	24h, Apr 30	Apr 14	6 32.6	6 33.1	
May 7	6 33.4	6 33.8		Apr 21	6 32.6	6 33.1	
May 14	6 33.9	6 33.8	24h, May 15	Apr 28	6 32.6	6 33.1	
May 21	6 34.2	6 33.9		May 5	6 32.2	6 33.1	
May 27	6 34.3	6 33.9	24h, May 31	May 12	6 32.6	6 33.1	
Jun 3	6 33.5	6 33.8		May 19	6 32.0	6 33.1	
Jun 12	6 33.9	6 33.8	24h, Jun 15	May 26	6 33.3	6 33.1	
Jun 24	6 33.6	6 33.7	24h, Jun 30	Jun 2	6 33.0	6 33.1	
Jul 1	6 33.6	6 33.6		Jun 10	6 33.4	6 33.1	
Jul 9	6 33.2	6 33.6		Jun 16	6 33.5	6 33.1	
Jul 15	6 33.4	6 33.6		Jun 23	6 33.3	6 33.1	
Jul 22	6 33.6	6 33.6		Jun 30	6 34.0	6 33.1	
Jul 29	6 34.1	6 33.6		Jul 7	6 33.2	6 33.1	
Aug 5	6 33.8	6 33.6		Jul 14	6 33.3	6 33.1	
Aug 12	6 33.3	6 33.6		Jul 21	6 33.2	6 33.1	
Aug 19	6 33.6	6 33.6	18h, Aug 24	Jul 28	6 33.0	6 33.1	
Aug 26	6 32.9	6 32.7	08h, Aug 29	Aug 4	6 33.2	6 33.1	
Sep 2	6 32.4	6 32.4		Aug 11	6 33.2	6 33.1	
Sep 10	6 32.3	6 32.4		Aug 19	6 33.2	6 33.1	
Sep 16	6 32.6	6 32.4		Aug 25	6 32.6	6 33.1	
Sep 23	6 32.3	6 32.4		Sep 1	6 33.1	6 33.1	
Sep 30	6 32.2	6 32.4	24h, Sep 30	Sep 8	6 33.7	6 33.1	
Oct 7	6 32.2	6 32.3	24h, Oct 15	Sep 15	6 32.9	6 33.1	
Oct 21	6 32.2	6 32.2		Sep 22	6 34.2	6 33.1	
Oct 28	6 32.3	6 32.2		Sep 29	6 33.0	6 33.1	
Oct 31	6 32.4	6 32.2		Oct 6	6 32.5	6 33.1	
Nov 4	6 32.7	6 32.2		Oct 13	6 33.3	6 33.1	
Nov 11	6 32.0	6 32.2		Oct 20	6 32.9	6 33.1	
Nov 18	6 32.3	6 32.2		Oct 28	6 33.4	6 33.1	
Nov 25	6 32.1	6 32.2	24h, Nov 30	Nov 3	6 33.0	6 33.1	
Dec 2	6 31.6	6 32.1		Nov 10	6 33.5	6 33.1	
Dec 9	6 32.3	6 32.1		Nov 17	6 33.2	6 33.1	
Dec 16	6 32.2	6 32.1		Nov 26	6 33.3	6 33.1	
Dec 23	6 32.4	6 32.1		Dec 2	6 33.2	6 33.1	
Dec 30	6 32.0	6 32.1	24h, Dec 31	Dec 8	6 33.1	6 33.1	
				Dec 16	6 33.2	6 33.1	
				Dec 22	6 33.0	6 33.1	
				Dec 29	6 33.0	6 33.1	24h, Dec 31

[a]Investigation of change of 0′.9 in first five months of 1942 revealed no assignable reason, but adoptions were made, since the base-line values definitely indicate such a trend

[b]During intercomparison observations with U. S. Coast and Geodetic Survey Magnetometer No. 19, January 1, 1943

Table 5. Observed base-line values for the D variometer, and respective adopted values--Concluded
(East declination)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1944	° ′	° ′		1944	° ′	° ′	
Jan 5	6 33.9	6 33.1		Jul 5	6 32.9	6 33.0	
Jan 12	6 33.5	6 33.1		Jul 12	6 33.1[c]	6 33.0	
Jan 19	6 32.8	6 33.1		Jul 13	6 33.3	6 33.0	
Jan 26	6 33.2	6 33.1		Jul 19	6 33.2	6 33.0	
Feb 2	6 33.0	6 33.1		Jul 26	6 32.6	6 33.0	07h, Aug 1
Feb 9	6 32.8	6 33.1		Aug 2	6 26.5	6 26.7	
Feb 17	6 33.5	6 33.1		Aug 9	6 26.4	6 26.7	
Feb 23	6 33.2	6 33.1	24h, Feb 29	Aug 16	6 26.8	6 26.7	
Mar 2	6 32.8	6 33.0		Aug 23	6 26.9	6 26.7	
Mar 8	6 32.5	6 33.0		Aug 30	6 26.7	6 26.7	
Mar 15	6 33.2	6 33.0		Sep 6	6 26.9	6 26.7	
Mar 23	6 32.7	6 33.0		Sep 13	6 27.2	6 26.7	
Mar 29	6 33.1	6 33.0		Sep 20	6 27.3	6 26.7	
Apr 5	6 33.4	6 33.0		Sep 27	6 26.8	6 26.7	
Apr 12	6 32.6	6 33.0		Oct 4	6 26.3	6 26.7	
Apr 19	6 33.0	6 33.0		Oct 12	6 26.4	6 26.7	
Apr 26	6 32.9	6 33.0	24h, Apr 30	Oct 18	6 26.4	6 26.7	
May 3	6 33.3	6 32.9		Oct 25	6 26.5	6 26.7	24h, Oct 31
May 10	6 33.2	6 32.9		Nov 2	6 27.0	6 26.8	
May 17	6 33.2	6 32.9		Nov 9	6 26.7	6 26.8	
May 24	6 33.1	6 32.9		Nov 15	6 26.7	6 26.8	
May 30	6 33.1	6 32.9		Nov 22	6 26.6	6 26.8	
May 31	6 33.0	6 32.9		Nov 29	6 26.7	6 26.8	
Jun 1	6 32.7[a]	6 32.9		Dec 6	6 27.1	6 26.8	
Jun 7	6 32.9[b]	6 32.9		Dec 14	6 26.9	6 26.8	
Jun 14	6 32.9	6 32.9		Dec 20	6 26.8	6 26.8	
Jun 21	6 33.0	6 32.9		Dec 27	6 26.9	6 26.8	24h, Dec 31
Jun 28	6 32.9	6 32.9	24h, Jun 30				

[a]Mean of seven determinations during intercomparison observations with CIW Magnetometer-Inductor No. 28, June 1-4, 1944
[b]Mean of four determinations
[c]Mean of six determinations

Table 6. Abrupt changes in the adopted D base-line value
(East declination reckoned as positive; changes below taken algebraically)

Date	Change from preceding value	Cause of change
	′	
Dec 4, 1936	+ 0.2	Established azimuth line in magnetograph room
Jun 18, 1937	- 0.2	Adjusted low-sensitivity H variometer
Jan 11, 1938	+ 0.2	Adjusted Z variometer
Jul 2, 1938	- 2.6	Torsion observations and adjustments to D variometer
May 10, 1939	+ 0.2	Cleaned and adjusted Z variometer
Mar 1, 1941	- 16.8	Adjusted D base line
Aug 24, 1942	- 0.9	After local earthquake
Aug 29, 1942	- 0.3	During daily inspection of magnetograph
Mar 9, 1943	+ 0.9	Adjusted Z variometer
Aug 1, 1944	- 6.3	Adjusted D base line

Table 7. Observed base-line values at 15° C for the H variometer, and respective adopted values
Eschenhagen Magnetograph
(Observed values determined with Magnetometer No. 10)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1936	γ	γ		1937	γ	γ	
Jan 7	29478	29487		Jan 5	29486	29482	
Jan 14	29488	29487	24h, Jan 15	Jan 12	29486	29482	
Jan 21	29490	29486		Jan 19	29478	29482	
Jan 28	29488	29486	24h, Jan 31	Jan 26	29480	29482	
Feb 4	29496	29485		Feb 2	29485	29482	
Feb 11	29494	29485		Feb 9	29488	29482	
Feb 18	29474	29485		Feb 16	29482	29482	
Feb 25	29488	29485		Feb 23	29476	29482	24h, Feb 28
Mar 3	29485	29485		Mar 2	29478	29481	
Mar 10	29484	29485	24h, Mar 15	Mar 9	29476	29481	
Mar 17	29488	29484		Mar 16	29485	29481	
Mar 24	29468	29484		Mar 23	29484	29481	
Mar 31	29486	29484		Mar 30	29476	29481	
Apr 7	29476	29484		Apr 6	29482	29481	
Apr 14	29482	29484		Apr 13	29473	29481	
Apr 21	29484	29484		Apr 20	29475	29481	
Apr 28	29480	29484		Apr 27	29478	29481	24h, Apr 30
May 5	29478	29484		May 4	29478	29480	
May 12	29493	29484	24h, May 15	May 11	29470	29480	
May 19	29487	29483		May 18	29488	29480	
May 26	29487	29483		May 25	29474	29480	
Jun 2	29474	29483		Jun 1	29484	29480	
Jun 9	29482	29483		Jun 8	29475	29480	
Jun 16	29481	29483		Jun 15	29484	29480	
Jun 23	29479	29483		Jun 23	29478	29480	
Jun 30	29470	29483		Jun 29	29490	29480	
Jul 6	29476	29483		Jul 6	29481	29480	
Jul 14	29478	29483		Jul 13	29474	29480	
Jul 21	29488	29483		Jul 20	29482	29480	
Jul 28	29489	29483	24h, Jul 31	Jul 27	29479	29480	
Aug 4	29476	29482		Aug 3	29479	29480	
Aug 11	29482	29482		Aug 10	29484	29480	
Aug 18	29481	29482		Aug 17	29482	29480	
Aug 25	29490	29482		Aug 24	29485	29480	
Sep 1	29492	29482		Aug 31	29480	29480	24h, Aug 31
Sep 8	29482	29482		Sep 7	29486	29481	
Sep 15	29479	29482		Sep 14	29482	29481	
Sep 22	29489	29482		Sep 21	29484	29481	
Sep 29	29490	29482		Sep 28	29477	29481	
Oct 6	29482	29482		Oct 5	29483	29481	
Oct 13	29482	29482		Oct 12	29485	29481	
Oct 20	29470	29482		Oct 19	29488	29481	
Oct 27	29476	29482		Oct 26	29482	29481	
Nov 3	29478	29482		Nov 2	29482	29481	
Nov 10	29479	29482		Nov 9	29486	29481	
Nov 17[a]	29486	29482		Nov 16	29477	29481	
Nov 24	29486	29482		Nov 23	29486	29481	
Dec 1[b]	29480	29482		Nov 30	29474	29481	
Dec 8	29488	29482		Dec 7	29478	29481	
Dec 15	29482	29482		Dec 14	29480	29481	
Dec 22	29484	29482		Dec 21	29484	29481	
Dec 28	29486	29482		Dec 28	29482	29481	24h, Dec 31

[a]Intercomparison observations with CIW Magnetometer-Inductor No. 13, November 19-21, 1936
[b]On December 4, 1936, a true north-south line was run in magnetic variation room, and permanently indicated on floor with copper nails

Table 7. Observed base-line values at 15° C for the H variometer, and respective adopted values--Continued

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1938	γ	γ		1939	γ	γ	
Jan 4	29486	29482		Jan 4	29458	29458	
Jan 11	29485	29482	24h, Jan 15	Jan 11	29464	29458	
Jan 19	29468	29483		Jan 18	29452	29458	
Jan 26	29496	29483		Jan 25	29456	29458	24h, Jan 31
Feb 1	29482	29483		Feb 1	29450	29457	
Feb 9	29483	29483		Feb 8	29456	29457	24h, Feb 14
Feb 15	29488	29483		Feb 15	29458	29456	
Feb 22	29488	29483	24h, Feb 28	Feb 22	29463	29456	24h, Feb 28
Mar 1	29480	29482		Mar 1	29458	29455	
Mar 8	29482	29482		Mar 8	29456	29455	
Mar 15	29476	29482	24h, Mar 15	Mar 15	29455	29455	24h, Mar 15
Mar 22	29478	29481		Mar 22	29458	29454	
Mar 29	29482	29481	24h, Mar 31	Mar 29	29438	29454	24h, Mar 31
Apr 5	29484	29480		Apr 5	29452	29453	
Apr 12	29484	29480	24h, Apr 15	Apr 13	29460	29453	24h, Apr 15
Apr 19	29468	29479		Apr 19	29452	29452	
Apr 26	29488	29479	24h, Apr 30	Apr 26	29444	29452	24h, Apr 30
May 3	29482	29478		May 3	29441	29451	
May 10	29458	29478	24h, May 15	May 10	29454	29451	24h, May 15
May 17	29478	29477		May 17	29456	29450	
May 24	29477	29477	24h, May 30	May 24	29452	29450	
May 31	29475	29476		May 31	29444	29450	24h, May 31
Jun 7	29468	29476		Jun 7	29447	29449	
Jun 14	29465	29476	24h, Jun 14	Jun 14	29453	29449	24h, Jun 15
Jun 21	29478	29475		Jun 21	29452	29448	
Jun 28	29476	29475	24h, Jun 29	Jun 28	29439	29448	
Jul 5[a]	29474	29474		Jul 5	29438	29448	
Jul 12	29464	29474	24h, Jul 14	Jul 7	29450	29448	
Jul 19	29476	29473	17h, Jul 19	Jul 12	29445	29448	
Jul 20	29458	29458		Jul 19	29452	29448	
Jul 26	29464	29458		Jul 26	29454	29448	
Aug 2	29454	29458		Aug 2	29447	29448	
Aug 9	29452	29458		Aug 9	29448	29448	
Aug 16	29461	29458		Aug 16	29445	29448	
Aug 23	29461	29458		Aug 23	29448	29448	
Aug 30	29462	29458		Aug 30	29450	29448	24h, Aug 31
Sep 6	29458	29458		Sep 6	29452	29449	
Sep 13	29460	29458		Sep 13	29454	29449	
Sep 20	29456	29458		Sep 20	29444	29449	
Sep 27	29463	29458		Sep 27	29448	29449	24h, Sep 30
Oct 4	29454	29458		Oct 4	29452	29450	
Oct 12	29458	29458		Oct 11	29456	29450	
Oct 20	29464	29458		Oct 18	29448	29450	
Oct 28	29458	29458		Oct 25	29448	29450	24h, Oct 31
Nov 2	29460	29458		Nov 1	29448	29451[b]	
Nov 9	29458	29458		Nov 8	29459	29453[b]	
Nov 16	29456	29458		Nov 15	29444	29455[b]	
Nov 23	29460	29458		Nov 22	29458	29458[b]	
Nov 29	29454	29458		Nov 29	29469	29460[b]	
Dec 8	29450	29458		Dec 6	29467	29462[b]	
Dec 14	29454	29458		Dec 13	29462	29462	
Dec 22	29450	29458		Dec 20	29468	29462	
Dec 28	29458	29458		Dec 27	29473	29462	24h, Dec 31

[a]On July 8, 1938, orientation test of H variometer-magnet was made

[b]From November 1 to December 4, 1939, adopted base line increased by 1γ after every three days as follows: November 1-3, 29451; November 4-6, 29452; November 7-9, 29453; November 10-12, 29454; November 13-15 29455; November 16-18, 29456; November 19-21, 29457; November 22-24, 29458; November 25-27, 29459; November 28-30, 29460; December 1-3, 29461; December 4-31, 29462

Table 7. Observed base-line values at 15° C for the H variometer, and respective adopted values--Continued

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1940	γ	γ		1941	γ	γ	
Jan 4	29466	29460[a]		Jan 2	29446	29448	
Jan 11	29450	29458[a]		Jan 8	29441	29448	
Jan 17	29460	29456[a]		Jan 15	29448	29448	
Jan 24	29445	29454[a]		Jan 22	29443	29448	
Jan 31	29456	29451[a]		Jan 29	29454	29448	
Feb 7	29459	29449[a]		Feb 5	29444	29448	
Feb 14	29452	29448		Feb 12	29454	29448	
Feb 21	29442	29448		Feb 19	29452	29448	
Feb 28	29451	29448	24h, Feb 29	Feb 26	29444	29448	24h, Feb 28
Mar 6	29446	29447		Mar 5	29437	29447	
Mar 13	29449	29447		Mar 12	29448	29447	24h, Mar 15
Mar 20	29454	29447		Mar 19	29446	29446	
Mar 27	29429	29447	24h, Mar 31	Mar 27	29446	29446	24h, Mar 31
Apr 3	29454	29446		Apr 2	29440	29445	
Apr 10	29449	29446		Apr 9	29456	29445	24h, Apr 15
Apr 17	29448	29446		Apr 16	29428	29444	
Apr 24	29450	29446	24h, Apr 30	Apr 23	29438	29444	
May 1	29447	29445		Apr 30	29452	29444	24h, Apr 30
May 8	29447	29445		May 8	29435	29443	
May 15	29442	29445		May 14	29443	29443	24h, May 15
May 22	29452	29445		May 21	29438	29442	
May 29	29430	29445		May 28	29430	29442	24h, May 31
Jun 5	29441	29445		Jun 6	29447	29441	
Jun 12	29442	29445		Jun 11	29446	29441	24h, Jun 15
Jun 19	29444	29445		Jun 19	29424	29440	
Jun 26	29452	29445		Jun 25	29470	29440	24h, Jun 30
Jul 3	29443	29445		Jul 3	29440	29439	
Jul 10	29452	29445		Jul 9	29432	29439	24h, Jul 15
Jul 17	29428	29445		Jul 16	29444	29438	
Jul 24	29456	29445		Jul 23	29440	29438	24h, Jul 31
Jul 31	29452	29445		Aug 6	29433	29437	
Aug 7	29453	29445		Aug 13	29436	29437	24h, Aug 15
Aug 14	29448	29445		Aug 20	29445	29436	
Aug 21	29446	29445		Aug 27	29447	29436	24h, Aug 31
Aug 28	29444	29445		Sep 3	29433	29435	
Sep 4	29457	29445		Sep 10	29425	29535	
Sep 11	29444	29445		Sep 17	29420	29435	
Sep 18	29427	29445		Sep 24	29456	29435	
Sep 25	29445	29445		Oct 1	29418	29435	
Oct 2	29440	29445		Oct 8	29438	29435	
Oct 9	29448	29445		Oct 15	29455	29435	
Oct 16	29448	29445		Oct 22	29427	29435	
Oct 23	29442	29445		Oct 29	29444	29435	24h, Oct 31
Oct 30	29441	29445		Nov 5	29444	29434	
Nov 6	29451	29445		Nov 12	29418	29434	
Nov 14	29442	29445		Nov 19	29442	29434	
Nov 20	29446	29445		Nov 26	29442	29434	
Nov 27	29435	29445	24h, Nov 30	Dec 3	29424	29434	
Dec 4	29442	29446[b]		Dec 10	29442	29434	
Dec 11	29454	29448[b]		Dec 18	29442	29434	
Dec 17	29464	29448		Dec 24	29425	29434	
Dec 26	29444	29448		Dec 31	29442	29434	24h, Dec 31

[a]From January 1 to February 9, 1940, adopted base line decreased by 1γ after every three days as follows: January 1-3, 29461; January 4-6, 29460; January 7-9, 29459; January 10-12, 29458; January 13-15, 29457; January 16-18, 29456; January 19-21, 29455; January 22-24, 29454; January 25-27, 29453; January 28-30, 29452; January 31-February 1, 29451; February 3-5, 29450; February 6-8, 29449; February 9-29, 29448

[b]From December 1 to December 11, 1940, adopted base line increased by 1γ after every five days as follows: December 1-5, 29446; December 6-10, 29447; December 11-31, 29448

Table 7. Observed base-line values at 15° C for the H variometer, and respective adopted values--Continued

Date	Observed	Adopted	Adopted value used to
1942	γ	γ	
Jan 7	29442	29434	
Jan 14	29417	29434	24h, Jan 15
Jan 21	29429	29433	
Jan 28	29416	29433	24h, Jan 31
Feb 6	29445	29432	
Feb 11	29426	29432	24h, Feb 14
Feb 18	29432	29431	
Feb 25	29427	29431	24h, Feb 28
Mar 4	29442	29430	
Mar 11	29424	29430	24h, Mar 15
Mar 18	29436	29429	
Mar 25	29453	29429	
Apr 1	29428	29429	
Apr 8	29433	29429	
Apr 15	29424	29429	
Apr 22	29433	29429	
Apr 29	29432	29429	
May 7	29447	29429	
May 14	29422	29429	
May 21	29428	29429	
May 27	29414	29429	24h, May 31
Jun 3	29418	29428	
Jun 12	29432	29428	
Jun 17	29417	29428	
Jun 24	29431	29428	24h, Jun 30
Jul 1	29433	29427	
Jul 9	29425	29427	
Jul 15	29433	29427	
Jul 22	29419	29427	
Jul 29	29425	29427	24h, Jul 31
Aug 5	29427	29428	
Aug 12	29430	29428	
Aug 19	29428	29428	24h, Aug 31
Sep 2	29428	29429	
Sep 10	29433	29429	
Sep 16	29426	29429	
Sep 23	29424	29429	
Sep 30	29432	29429	24h, Sep 30
Oct 7	29438	29430	
Oct 14	29432	29430	
Oct 21	29436	29430	
Oct 28	29426	29430	
Oct 31	29422	29430	24h, Oct 31
Nov 4	29431	29428[a]	
Nov 11	29424	29426[a]	
Nov 18	29422	29424[a]	
Nov 25	29431	29424	
Dec 2	29422	29424	
Dec 9	29424	29424	
Dec 16	29420	29425[b]	
Dec 23	29425	29428[b]	
Dec 30	29430	29432[b]	
1943	γ	γ	
Jan 2[c]	29438	29433[d]	
Jan 3[c]	29436	29434[d]	
Jan 3[c]	29452	29434[d]	
Jan 13	29448	29437	
Jan 20	29431	29437	
Jan 27	29446	29437	
Feb 4	29428	29437	
Feb 10	29445	29437	
Feb 19	29430	29437	
Feb 24	29438	29437	
Mar 3	29426	29437	
Mar 10	29432	29437	19h, Mar 14
Mar 17[e]	29449	29441	
Mar 24	29433	29441	18h, Mar 27
Apr 10[e]	29432	29437	
Apr 14	29454	29437	
Apr 21	29444	29437	
Apr 28	29430	29437	
May 5	29416	29437	15h, May 6
May 12	29274	29271	
May 19[e]	29271	29271	
May 26	29279	29271	
Jun 2	29253	29271	
Jun 10	29272	29271	
Jun 16	29282	29271	
Jun 23	29264	29271	
Jun 30	29254	29271	24h, Jun 30
Jul 7	29278	29270	
Jul 14	29279	29270	
Jul 21	29266	29270	
Jul 28	29274	29270	
Aug 4	29260	29270	
Aug 11	29279	29270	
Aug 19	29278	29270	
Aug 25	29282	29270	24h, Aug 31
Sep 1	29272	29271	
Sep 8	29264	29271	
Sep 15	29272	29271	
Sep 22	29282	29271	
Sep 29	29255	29271	24h, Sep 30
Oct 6	29273	29272	
Oct 13	29248	29272	
Oct 20	29274	29272	
Oct 28	29278	29272	24h, Oct 31
Nov 3	29286	29271	
Nov 10	29260	29271	
Nov 17	29278	29271	
Nov 26	29267	29271	
Dec 2	29266	29271	
Dec 8	29282	29271	
Dec 16	29267	29271	
Dec 22	29263	29271	
Dec 29	29274	29271	24h, Dec 31

[a]From November 1 to November 16, 1942, adopted base line decreased by 1γ after every three days as follows: November 1-3, 29429; November 4-6, 29428; November 7-9, 29427; November 10-12, 29426; November 13-15 29425; November 16-December 15, 29424

[b]From December 16 to December 31, 1942, adopted base line increased by 1γ after every two days as follows: December 16-17, 29425; December 18-19, 29426; December 20-21, 29427; December 22-23, 29428; December 24-25, 29429; December 26-27, 29430; December 28-29, 29431; December 30-31, 29432

[c]During intercomparison observations with U. S. Coast and Geodetic Survey Magnetometer No. 19, January 2-3, 1943

[d]From January 1 to January 9, 1943, adopted base line increased by 1γ after every two days as follows: January 1-2, 29433; January 3-4, 29434; January 5-6, 29435; January 7-8, 29436; January 9-March 14, 29437

[e]On March 19, April 13, and May 22, 1943, orientation tests of H variometer magnet were made

Table 7. Observed base-line values at 15° C for the H variometer, and respective adopted values--Concluded

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1944	γ	γ		1944	γ	γ	
Jan 5	29250	29271		Jul 5	29287	29275	
Jan 12	29260	29271		Jul 12	29288[d]	29275	
Jan 19	29286	29271		Jul 13	29290	29275	
Jan 26	29259	29271	24h, Jan 31	Jul 19	29276	29275	
Feb 2	29262	29270		Jul 26	29268	29275	24h, Jul 31
Feb 9	29260	29270		Aug 2	29278	29276	
Feb 17	29257	29270		Aug 9	29288	29276	
Feb 23	29257	29270	24h, Feb 29	Aug 16	29280	29276	
Mar 2	29254	29271		Aug 23	29288	29276	
Mar 8	29282	29271		Aug 30	29286	29276	24h, Aug 31
Mar 15	29274	29271		Sep 6	29293	29277	
Mar 23	29274	29271		Sep 13	29272	29277	
Mar 29	29264	29271	24h, Mar 31	Sep 20	29287	29277	
Apr 5	29252	29272		Sep 27	29286	29277	24h, Sep 30
Apr 12	29276	29272		Oct 4	29278	29278	
Apr 19	29279	29272		Oct 12	29266	29278	
Apr 26	29263	29272	24h, Apr 30	Oct 18	29299	29278	
May 3	29255	29273		Oct 25	29292	29278	24h, Oct 31
May 10	29282	29273		Nov 2	29273	29279	
May 17	29278	29273		Nov 9	29282	29279	
May 24	29254	29273		Nov 15	29270	29279	
May 30	29254	29273		Nov 22	29286	29279	
May 31	29269	29273	24h, May 31	Nov 29	29288	29279	24h, Nov 30
Jun 1[a]	29271[b]	29274		Dec 6	29268	29278	
Jun 7	29278[c]	29274		Dec 14	29268	29278	
Jun 14	29285	29274		Dec 20	29293	29277[e]	
Jun 21	29264	29274		Dec 27	29271	29275[e]	
Jun 28	29283	29274	24h, Jun 30				

[a]During intercomparison observations with CIW Magnetometer-Inductor No. 28, June 1-4, 1944
[b]Mean of six determinations
[c]Mean of four determinations
[d]Mean of six determinations
[e]From December 20 to December 31, 1944, adopted base line decreased by 1γ after every three days as follows: December 20-22, 29277; December 23-25, 29276; December 26-28, 29275; December 29-31, 29274

Table 8. Abrupt changes in the adopted H base-line value
(Horizontal intensity is reckoned as positive; changes below taken algebraically)

Date	Change from preceding value	Cause of change
	γ	
Jul 19, 1938	- 15	Adjustment of H variometer following orientation test on July 8, 1938
Mar 14, 1943	+ 4	Position of base line changed
Mar 27, 1943	- 4	Position of base line changed
May 6, 1943	- 166	Adjustment of H variometer following orientation tests of April 13, 1943

Table 9. Observed base-line values at 15° C for the Z variometer, and respective adopted values
Eschenhagen Magnetograph
(Based on inclination observations with Earth Inductor No. 5)

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1936	γ	γ	1937	γ	γ	1938	γ	γ
Jan 7	+1076	+1075	Jan 5	+ 994	+ 994	Jan 4	+1008	+1008
Jan 14	1077	1076	Jan 12	992	993	Jan 11	926	926
Jan 21	1078	1077	Jan 19	994	993	Jan 19	1018	1014
Jan 28	1080	1078	Jan 26	990	992	Jan 26	1010	1014
Feb 4	1080	1079	Feb 2	990	991	Feb 1	1014	1015
Feb 11	1080	1080	Feb 9	989	990	Feb 9	1014	1016
Feb 18	1084	1081	Feb 16	1028	1028	Feb 15	1012	1016
Feb 25	1086	1082	Feb 23	1007	1007	Feb 22	1017	1017
Mar 3	1085	1083	Mar 2	1006	1006	Mar 1	1018	1018
Mar 10	1086	1084	Mar 9	1004	1004	Mar 8	1014	1019
Mar 17	1084	1085	Mar 16	1001	1002	Mar 15	1016	1019
Mar 24	1086	1086	Mar 23	986	986	Mar 22	1021	1020
Mar 31	1092	1087	Mar 30	962	961	Mar 29	1028	1021
Apr 7	1088	1088	Apr 6	960	961	Apr 5	1023	1021
Apr 14	1088	1089	Apr 13	960	960	Apr 12	1026	1022
Apr 21	1090	1090	Apr 20	960	960	Apr 19	1084	1084
Apr 28	1092	1091	Apr 27	912	912	Apr 26	1088	1088
May 5	1092	1092	May 4	1092	1091	May 3	1091	1091
May 12	1094	1093	May 11	1094	1094	May 10	1096	1095
May 19	1095	1094	May 18	1106	1106	May 17	1096	1098
May 26	1095	1095	May 25	1058	1059	May 24	1104	1102
Jun 2	1095	1095	Jun 1	1060	1059	May 31	1078	1078
Jun 9	1096	1095	Jun 8	1060	1059	Jun 7	1051	1051
Jun 16	1093	1095	Jun 15	1057	1059	Jun 14	1049	1049
Jun 23	1091	1095	Jun 23	1029	1029	Jun 21	1046	1046
Jun 30	1092	1095	Jun 29	1038	1036	Jun 28	1043	1044
Jul 6	1093	1095	Jul 6	1033	1036	Jul 5[c]	1057	1057
Jul 14	1091	1095	Jul 13	1038	1036	Jul 12	1092	1089
Jul 21	1094	1095	Jul 20	1034	1036	Jul 19	1086	1089
Jul 28	1096	1095	Jul 27	1040	1040	Jul 20	1112	1114
Aug 4	1095	1095	Aug 3	1039	1040	Jul 26	1114	1114
Aug 11	1094	1095	Aug 10	1046	1044	Aug 2	1110	1114
Aug 18	1099	1095	Aug 17	1042	1044	Aug 9	1116	1114
Aug 25	1097	1095	Aug 24	1040	1044	Aug 16	1116	1114
Sep 1	1095	1095	Aug 31	1048	1044	Aug 23	1114	1114
Sep 8	1092	1095	Sep 7	1044	1044	Aug 30	1026	1026
Sep 15	1097	1095	Sep 14	1043	1044	Sep 6	1027	1026
Sep 21	1100	1095	Sep 21	1045	1044	Sep 13	1012	1014
Sep 29	1100	1095	Sep 28	1040	1044	Sep 20	1014	1014
Oct 6	1102	1099	Oct 5	1046	1044	Sep 27	1014	1014
Oct 13	1100	1097	Oct 12	1038	1044	Oct 4	1012	1014
Oct 20	1094	1096	Oct 19	1045	1043	Oct 12	1016	1014
Oct 27	1094	1095	Oct 26	1040	1042	Oct 19	1016	1014
Nov 3	1093	1094	Nov 2	1043	1042	Oct 28	1018	1021
Nov 10	1097	1097	Nov 9	1035	1041	Nov 2	1018	1021
Nov 17	1099	1101	Nov 16	1044	1040	Nov 9	1020	1021
Nov 24[a]	1102	1104	Nov 23	1042	1040	Nov 16	1022	1021
Dec 1[b]	1108	1107	Nov 30	1042	1039	Nov 23	1018	1021
Dec 8	1017	1017	Dec 7	984	984	Nov 29	1018	1021
Dec 15	1012	1012	Dec 14	977	980	Dec 8	1024	1021
Dec 22	996	988	Dec 21	984	980	Dec 14	1020	1021
Dec 28	1000	998	Dec 28	960	960	Dec 21	1022	1021
						Dec 28	1024	1021

[a]Intercomparison observations with CIW Magnetometer-Inductor No. 13, November 25-26, 1936
[b]On December 4, 1936, a true north-south line was run in magnetic variation room and permanently indicated on floor with copper nails
[c]On July 8, 1938, orientation test of Z variometer-magnet was made

Table 9. Observed base-line values at 15° C for the Z variometer, and respective adopted values--Continued

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1939	γ	γ	1940	γ	γ	1941	γ	γ
Jan 4	+1024	+1021	Jan 4	+ 991	+ 996	Jan 2	+1124	+1124
Jan 11	1022	1021	Jan 11	997	996	Jan 8	1223	1217
Jan 18	1023	1021	Jan 17	999	996	Jan 15	1212	1217
Feb 1	1023	1021	Jan 24	995	997	Jan 22	1049	1052
Feb 8	1107	1106	Jan 31	991	997	Jan 29	1051	1052
Feb 15	1100	1102	Feb 7	994	997	Feb 5	1048	1052
Feb 22	1098	1098	Feb 14	994	998	Feb 12	1060	1052
Mar 1	1097	1097	Feb 21	998	998	Feb 19	1052	1052
Mar 8	1096	1096	Feb 28	996	998	Feb 26	1050	1052
Mar 15	1096	1096	Mar 6	998	999	Mar 5	951	951
Mar 22	1094	1094	Mar 13	998	999	Mar 12	954	951
Mar 29	1093	1093	Mar 20	1000	999	Mar 19	947	951
Apr 5	1093	1092	Mar 27	997	1000	Mar 27	951	951
Apr 13	1091	1091	Apr 3	998	1000	Apr 2	975	975
Apr 19	1089	1090	Apr 10	1008	1001	Apr 9	974	975
Apr 26	1088	1088	Apr 17	1004	1001	Apr 16	972	975
May 3	1090	1087	Apr 24	1001	1001	Apr 23	973	975
May 10	1088	1086	May 1	1004	1002	Apr 30	974	975
May 17	1051	1052	May 8	1002	1002	May 8	982	975
May 24	1052	1052	May 15	999	1002	May 14	976	975
May 31	1054	1052	May 22	1006	1003	May 21	974	975
Jun 7	1054	1052	May 29	1003	1003	May 28	974	975
Jun 14	1052	1052	Jun 5	1005	1003	Jun 6	974	975
Jun 21	1053	1052	Jun 12	1010	1004	Jun 11	981	975
Jun 28	1050	1052	Jun 19	1006	1005	Jun 19	983	975
Jul 5	1048	1052	Jun 26	1004	1005	Jun 25	980	975
Jul 12	1056	1056	Jul 3	1008	1005	Jul 3	969	975
Jul 19	1058	1060	Jul 10	1000	1005	Jul 9	980	975
Jul 26	1064	1063	Jul 17	1008	1008	Jul 16	971	975
Aug 2	1066	1065	Jul 24	1011	1011	Jul 23	972	975
Aug 9	1067	1067	Jul 31	1015	1015	Jul 31	975	975
Aug 16	1068	1068	Aug 7	1036	1038	Aug 6	973	975
Aug 23	1069	1069	Aug 14	1042	1043	Aug 13	974	975
Aug 30	1070	1071	Aug 21	1050	1045	Aug 20	970	975
Sep 6	1074	1075	Aug 28	1056	1057	Aug 27	972	975
Sep 13	1076	1078	Sep 4	1080	1078	Sep 3	974	975
Sep 20	1084	1086	Sep 11	1084	1084	Sep 10	978	975
Sep 27	1096	1096	Sep 18	1096	1098	Sep 17	976	975
Oct 4	1097	1097	Sep 25	1115	1114	Sep 24	975	975
Oct 11	1096	1097	Oct 2	1116	1114	Oct 1	976	975
Oct 18	1104	1104	Oct 9	1111	1118	Oct 8	972	975
Oct 25	1062	1062	Oct 16	1113	1118	Oct 15	974	975
Nov 1	1014	1013	Oct 23	1116	1121	Oct 22	978	975
Nov 8	1004	1002	Oct 30	1127	1124	Oct 29	974	975
Nov 15	1000	997	Nov 6	1123	1124	Nov 5	972	975
Nov 22	999	997	Nov 14	1124	1124	Nov 12	978	975
Nov 29	998	997	Nov 20	1128	1124	Nov 19	971	974
Dec 6	999	996	Nov 27	1126	1124	Nov 26	970	972
Dec 13	1000	996	Dec 4	1122	1124	Dec 3	970	970
Dec 20	998	995	Dec 11	1123	1124	Dec 10	968	969
Dec 27	996	995	Dec 17	1123	1124	Dec 18	964	969
			Dec 26	1122	1124	Dec 24	965	969
						Dec 31	970	969

Table 9. Observed base-line values at 15° C for the Z variometer, and respective adopted values--Concluded

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1942	γ	γ	1943	γ	γ	1944	γ	γ
Jan 7	+ 996	+ 969	Jan 4[a]	+1055	+1058	Jan 5	+1214	+1213
Jan 14	959	965	Jan 4[a]	1059	1058	Jan 12	1214	1213
Jan 21	958	958	Jan 4[a]	1060	1058	Jan 19	1214	1213
Jan 28	958	958	Jan 5[a]	1058	1058	Jan 26	1214	1213
Feb 6	958	958	Jan 13	1052	1052	Feb 2	1212	1213
Feb 11	956	958	Jan 20	1069	1069	Feb 9	1201	1203
Feb 18	960	958	Jan 27	1058	1058	Feb 17	1214	1214
Feb 25	956	958	Feb 4	1056	1058	Feb 23	1218	1218
Mar 4	956	958	Feb 10	1059	1063	Mar 2	1220	1218
Mar 11	960	958	Feb 19	1146	1142	Mar 8	1236	1234
Mar 18	964	958	Feb 24	1142	1142	Mar 15	1234	1234
Mar 25	953	958	Mar 3	1138	1142	Mar 23	1236	1234
Apr 1	959	957	Mar 10	846	851	Mar 29	1236	1234
Apr 8	956	957	Mar 17	944	941	Apr 5	1234	1234
Apr 15	960	957	Mar 24	938	939	Apr 12	1232	1234
Apr 22	950	957	Apr 10	896	892	Apr 19	1232	1234
Apr 29	956	957	Apr 14	894	893	Apr 26	1233	1234
May 7	956	956	Apr 21	896	897	May 3	1234	1234
May 14	956	955	Apr 28	899	900	May 10	1230	1234
May 21	951	951	May 5	904	904	May 17	1232	1234
May 27	953	947	May 12	902	907	May 24	1238	1238
Jun 3	950	947	May 19	908	908	May 30	1240	1238
Jun 12	950	949	May 26	1171	1171	May 31	1236	1238
Jun 17	940	949	Jun 2	1194	1194	Jun 3[b]	1238	1238
Jun 24	948	950	Jun 10	1184	1179	Jun 3[b]	1236	1238
Jul 1	951	953	Jun 16	1176	1179	Jun 3[b]	1235	1238
Jul 9	955	955	Jun 23	1173	1179	Jun 7	1240	1238
Jul 15	956	957	Jun 30	1183	1179	Jun 7	1241	1238
Jul 22	955	957	Jul 7	1204	1202	Jun 14	1244	1244
Jul 29	958	957	Jul 14	1209	1202	Jun 21	1251	1251
Aug 5	959	957	Jul 21	1214	1207	Jun 28	1268	1268
Aug 12	960	956	Jul 28	1214	1207	Jul 5	1233	1234
Aug 19	956	956	Aug 4	1212	1207	Jul 12	1236	1234
Aug 26	961	956	Aug 11	1211	1207	Jul 12	1233	1234
Sep 2	956	956	Aug 19	1204	1207	Jul 12	1233	1234
Sep 10	956	956	Aug 25	1204	1207	Jul 13	1258	1258
Sep 16	958	956	Sep 1	1200	1207	Jul 19	1149	1154
Sep 23	960	956	Sep 8	1203	1207	Jul 20	1154	1154
Sep 30	953	956	Sep 15	1205	1207	Jul 27	1158	1154
Oct 7	954	956	Sep 22	1206	1207	Aug 2	1160	1160
Oct 14	958	956	Sep 29	1202	1207	Aug 9	1160	1160
Oct 21	965	956	Oct 6	1202	1206	Aug 16	1163	1165
Oct 28	949	956	Oct 13	1204	1206	Aug 23	1159	1165
Oct 31	948	956	Oct 20	1212	1212	Aug 30	1169	1165
Nov 4	952	956	Oct 28	1243	1242	Sep 6	1168	1165
Nov 11	950	956	Nov 3	1242	1242	Sep 13	1170	1171
Nov 18	954	953	Nov 10	1211	1215	Sep 20	1173	1171
Nov 25	992	992	Nov 17	1218	1215	Sep 27	1172	1171
Dec 2	992	992	Nov 26	1216	1215	Oct 4	1156	1157
Dec 9	1006	1006	Dec 2	1214	1214	Oct 12	1159	1157
Dec 16	1017	1017	Dec 8	1214	1214	Oct 18	1155	1157
Dec 23	1060	1059	Dec 16	1216	1214	Oct 25	1198	1197
Dec 30	1059	1059	Dec 22	1212	1214	Nov 2	1197	1197
			Dec 29	1214	1214	Nov 9	1206	1206
						Nov 15	1204	1206
						Nov 22	1209	1206
						Nov 29	1206	1206
						Dec 6	1225	1226
						Dec 14	1226	1226
						Dec 20	1238	1240
						Dec 27	1242	1240

[a]During intercomparison observations with U. S. Coast and Geodetic Survey Magnetometer No. 19, January 4-5, 1943

[b]During intercomparison observations with CIW Magnetometer-Inductor No. 28, June 3-4, 1944

Table 10. Summary of monthly means for 1936

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	7 13.5	2 12.24	29611	29376	3724	1140	29633	7 13.4	2 12.10	29621	29386	3725	1139	29643
Feb	7 12.9	2 12.25	29610	29376	3719	1140	29632	7 12.6	2 12.30	29620	29386	3718	1140	29642
Mar	7 12.5	2 12.62	29613	29379	3716	1143	29635	7 12.4	2 12.45	29623	29389	3716	1142	29645
Apr	7 12.4	2 13.34	29600	29366	3714	1149	29622	7 12.3	2 13.38	29610	29376	3714	1149	29633
May	7 12.0	2 13.78	29606	29372	3711	1153	29628	7 12.1	2 13.55	29616	29383	3713	1151	29639
Jun	7 11.5	2 14.23	29601	29368	3706	1156	29624	7 11.3	2 14.46	29610	29377	3705	1159	29632
Jul	7 11.3	2 14.16	29603	29371	3704	1156	29626	7 11.3	2 14.04	29611	29378	3705	1155	29633
Aug	7 10.8	2 13.92	29617	29385	3702	1154	29640	7 10.6	2 14.04	29620	29388	3701	1156	29642
Sep	7 10.8	2 13.76	29622	29390	3702	1153	29644	7 10.9	2 13.80	29628	29396	3704	1154	29651
Oct	7 10.8	2 13.81	29612	29380	3701	1153	29635	7 10.7	2 13.85	29625	29392	3702	1154	29647
Nov	7 10.6	2 13.96	29603	29371	3698	1154	29626	7 10.5	2 13.88	29612	29380	3698	1154	29635
Dec	7 10.5	2 14.05	29610	29378	3698	1155	29632	7 10.4	2 14.13	29615	29383	3698	1156	29637
I	7 11.9	2 13.12	29609	29375	3710	1147	29631	7 11.7	2 13.10	29617	29384	3710	1147	29639
II	7 11.6	2 13.38	29612	29379	3708	1150	29634	7 11.6	2 13.37	29622	29388	3709	1150	29644
III	7 11.4	2 14.02	29607	29374	3706	1155	29629	7 11.3	2 14.02	29614	29381	3706	1155	29637
Year	7 11.6	2 13.51	29609	29376	3708	1150	29631	7 11.5	2 13.50	29618	29385	3708	1151	29640
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 13.2	2 12.40	29617	29382	3722	1141	29639	7 13.7	2 12.43	29595	29360	3723	1141	29617
Feb	7 12.7	2 12.47	29617	29382	3718	1142	29639	7 13.2	2 12.39	29595	29360	3720	1140	29617
Mar	7 12.3	2 12.28	29632	29398	3716	1141	29654	7 12.5	2 13.04	29589	29355	3713	1146	29611
Apr	7 12.3	2 13.07	29617	29383	3715	1147	29639	7 12.7	2 13.49	29567	29333	3712	1149	29589
May	7 12.2	2 13.49	29618	29384	3714	1151	29641	7 12.0	2 13.64	29600	29367	3710	1151	29623
Jun	7 11.3	2 14.36	29611	29378	3706	1158	29634	7 11.7	2 14.08	29577	29344	3705	1154	29600
Jul	7 11.4	2 13.90	29614	29381	3706	1154	29636	7 11.2	2 14.46	29582	29349	3701	1158	29604
Aug	7 10.5	2 14.13	29618	29386	3699	1156	29640	7 10.9	2 13.80	29607	29375	3702	1153	29630
Sep	7 11.2	2 13.54	29632	29399	3707	1152	29654	7 10.9	2 13.74	29607	29375	3701	1152	29629
Oct	7 10.7	2 14.11	29624	29392	3701	1156	29647	7 11.0	2 13.99	29587	29355	3700	1154	29610
Nov	7 10.3	2 13.80	29615	29383	3697	1153	29637	7 10.8	2 13.81	29584	29352	3698	1152	29606
Dec	7 10.4	2 14.10	29615	29383	3698	1156	29637	7 10.3	2 13.98	29601	29369	3696	1154	29623
I	7 11.7	2 13.19	29616	29383	3709	1148	29638	7 12.0	2 13.15	29593	29360	3709	1147	29616
II	7 11.6	2 13.25	29626	29393	3710	1149	29648	7 11.8	2 13.56	29587	29354	3706	1150	29610
III	7 11.4	2 13.97	29615	29382	3706	1155	29638	7 11.5	2 14.00	29592	29359	3704	1154	29614
Year	7 11.5	2 13.47	29619	29386	3708	1151	29641	7 11.7	2 13.57	29591	29358	3707	1150	29613

Table 11. Summary of monthly means for 1937

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	7 10.5	2 14.43	29616	29384	3699	1159	29639	7 10.3	2 14.37	29624	29392	3698	1159	29647
Feb	7 10.0	2 14.54	29606	29374	3694	1159	29628	7 09.9	2 14.66	29615	29384	3694	1161	29638
Mar	7 09.5	2 15.00	29602	29372	3688	1163	29625	7 09.4	2 14.97	29612	29381	3689	1163	29634
Apr	7 09.1	2 15.48	29588	29358	3684	1167	29611	7 08.9	2 15.26	29614	29384	3685	1166	29637
May	7 08.7	2 15.82	29584	29355	3680	1169	29607	7 08.6	2 15.79	29596	29366	3680	1170	29619
Jun	7 08.2	2 15.62	29591	29362	3676	1168	29614	7 08.3	2 15.59	29598	29368	3678	1168	29621
Jul	7 07.9	2 15.78	29593	29364	3674	1169	29616	7 07.8	2 15.87	29602	29373	3674	1171	29625
Aug	7 07.7	2 15.73	29593	29364	3673	1169	29616	7 07.6	2 15.84	29604	29375	3673	1170	29627
Sep	7 07.3	2 15.37	29601	29373	3670	1166	29624	7 07.3	2 15.30	29613	29384	3671	1166	29636
Oct	7 07.3	2 15.13	29574	29346	3666	1163	29597	7 06.8	2 14.94	29592	29364	3665	1162	29615
Nov	7 06.8	2 15.14	29590	29362	3664	1164	29612	7 06.6	2 15.16	29599	29371	3664	1164	29622
Dec	7 06.9	2 15.27	29588	29360	3664	1165	29611	7 06.7	2 15.18	29599	29371	3664	1165	29622
I	7 08.5	2 14.84	29600	29370	3680	1162	29622	7 08.4	2 14.84	29609	29380	3680	1162	29632
II	7 08.3	2 15.24	29592	29362	3677	1165	29614	7 08.1	2 15.12	29608	29378	3677	1164	29630
III	7 08.1	2 15.74	29590	29361	3676	1169	29613	7 08.1	2 15.77	29600	29371	3676	1170	29623
Year	7 08.3	2 15.28	29594	29364	3678	1165	29617	7 08.2	2 15.24	29606	29376	3678	1165	29628
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 10.1	2 14.42	29624	29392	3697	1159	29646	7 10.6	2 14.41	29617	29385	3700	1159	29639
Feb	7 09.8	2 14.51	29617	29386	3693	1159	29640	7 10.4	2 14.55	29592	29360	3696	1159	29615
Mar	7 09.5	2 14.97	29614	29384	3690	1163	29637	7 09.8	2 15.25	29577	29346	3688	1164	29600
Apr	7 08.7	2 15.38	29616	29386	3683	1167	29639	7 09.8	2 15.61	29525	29294	3681	1165	29548
May	7 08.8	2 15.63	29594	29364	3681	1168	29617	7 09.2	2 16.20	29543	29313	3678	1171	29566
Jun	7 08.1	2 15.63	29597	29368	3676	1168	29620	7 08.2	2 15.99	29574	29345	3674	1170	29597
Jul	7 07.9	2 15.78	29598	29369	3674	1170	29621	7 07.7	2 16.02	29573	29344	3670	1171	29596
Aug	7 07.5	2 16.22	29595	29366	3671	1173	29618	7 08.4	2 16.02	29546	29317	3672	1170	29569
Sep	7 07.1	2 15.56	29607	29379	3669	1168	29630	7 07.4	2 15.79	29592	29363	3669	1169	29615
Oct	7 06.9	2 14.91	29591	29363	3665	1162	29614	7 07.8	2 15.48	29543	29315	3667	1165	29566
Nov	7 06.7	2 15.17	29608	29381	3666	1165	29631	7 06.9	2 15.42	29565	29337	3662	1165	29588
Dec	7 06.6	2 15.17	29596	29369	3663	1164	29619	7 07.2	2 15.33	29570	29341	3665	1165	29592
I	7 08.3	2 14.82	29611	29382	3680	1162	29634	7 08.8	2 14.93	29586	29356	3681	1162	29609
II	7 08.0	2 15.20	29607	29378	3677	1165	29630	7 08.7	2 15.53	29559	29330	3676	1166	29582
III	7 08.1	2 15.82	29596	29367	3676	1170	29619	7 08.3	2 16.06	29559	29330	3673	1170	29582
Year	7 08.1	2 15.28	29605	29375	3677	1166	29628	7 08.6	2 15.51	29568	29338	3677	1166	29591

Table 12. Summary of monthly means for 1938

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	7 06.8	2 14.92	29556	29329	3660	1161	29579	7 06.4	2 15.00	29589	29361	3660	1162	29611
Feb	7 06.1	2 15.40	29574	29347	3656	1165	29597	7 06.0	2 15.34	29590	29364	3657	1166	29613
Mar	7 05.5	2 15.50	29581	29355	3652	1166	29604	7 05.2	2 15.48	29599	29372	3652	1167	29622
Apr	7 05.3	2 15.85	29572	29346	3649	1169	29595	7 05.2	2 15.98	29590	29364	3651	1171	29613
May	7 04.8	2 16.43	29562	29336	3644	1174	29585	7 04.5	2 16.16	29580	29355	3644	1172	29603
Jun	7 04.3	2 16.15	29577	29352	3641	1172	29600	7 04.2	2 16.00	29586	29361	3641	1171	29609
Jul	7 04.2	2 15.91	29570	29345	3640	1170	29593	7 04.1	2 15.77	29584	29360	3641	1169	29608
Aug	7 04.2	2 15.70	29577	29352	3641	1168	29600	7 04.0	2 15.58	29592	29368	3641	1168	29616
Sep	7 04.0	2 15.70	29572	29347	3638	1168	29595	7 03.7	2 15.57	29593	29368	3638	1168	29616
Oct	7 03.6	2 15.42	29569	29345	3635	1165	29592	7 03.4	2 15.16	29592	29368	3635	1164	29615
Nov	7 03.1	2 15.02	29577	29353	3631	1162	29600	7 02.9	2 14.86	29593	29370	3631	1161	29616
Dec	7 02.9	2 14.69	29574	29350	3629	1159	29596	7 02.7	2 14.32	29598	29374	3630	1157	29620
I	7 04.7	2 15.01	29570	29345	3644	1162	29593	7 04.5	2 14.88	29592	29367	3645	1162	29615
II	7 04.6	2 15.62	29574	29348	3643	1167	29597	7 04.4	2 15.55	29593	29368	3644	1167	29616
III	7 04.4	2 16.05	29571	29346	3641	1171	29594	7 04.2	2 15.88	29586	29361	3642	1170	29609
Year	7 04.6	2 15.56	29572	29346	3643	1167	29595	7 04.4	2 15.44	29590	29365	3643	1166	29613
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 06.4	2 15.18	29586	29359	3660	1164	29609	7 07.7	2 14.68	29492	29264	3660	1156	29515
Feb	7 06.0	2 15.40	29586	29359	3657	1166	29609	7 06.2	2 15.51	29555	29328	3655	1166	29578
Mar	7 05.3	2 15.53	29607	29380	3653	1168	29630	7 05.9	2 15.42	29541	29314	3651	1164	29564
Apr	7 05.1	2 16.10	29596	29370	3650	1172	29619	7 05.7	2 16.07	29529	29303	3647	1169	29553
May	7 04.6	2 16.07	29584	29359	3644	1172	29608	7 05.7	2 16.70	29517	29291	3646	1174	29541
Jun	7 04.3	2 16.06	29583	29358	3642	1171	29606	7 04.6	2 15.94	29568	29343	3643	1170	29592
Jul	7 04.1	2 15.82	29590	29365	3641	1170	29613	7 04.5	2 16.07	29536	29311	3638	1170	29559
Aug	7 04.2	2 15.84	29589	29364	3642	1170	29612	7 03.9	2 15.59	29560	29336	3636	1166	29583
Sep	7 03.7	2 15.81	29589	29364	3638	1169	29612	7 04.5	2 15.54	29520	29295	3636	1164	29543
Oct	7 03.2	2 15.28	29589	29365	3633	1165	29612	7 04.2	2 15.57	29526	29301	3634	1165	29549
Nov	7 02.9	2 14.85	29589	29366	3631	1161	29612	7 03.2	2 15.21	29561	29338	3630	1163	29584
Dec	7 03.0	2 14.20	29599	29375	3633	1156	29622	7 03.1	2 15.14	29549	29326	3628	1162	29572
I	7 04.6	2 14.91	29590	29365	3645	1162	29613	7 05.1	2 15.14	29539	29314	3643	1162	29562
II	7 04.3	2 15.68	29595	29370	3644	1169	29618	7 05.1	2 15.65	29529	29304	3642	1166	29552
III	7 04.3	2 15.95	29586	29361	3642	1171	29610	7 04.7	2 16.08	29545	29320	3641	1170	29569
Year	7 04.4	2 15.51	29591	29365	3644	1167	29614	7 04.9	2 15.62	29538	29313	3642	1166	29561

Table 13. Summary of monthly means for 1939

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	6 62.3	2 14.80	29595	29372	3626	1161	29618	6 62.1	2 14.67	29607	29384	3626	1160	29630
Feb	6 62.0	2 15.29	29564	29341	3620	1164	29587	6 61.8	2 15.25	29579	29357	3620	1164	29602
Mar	6 61.5	2 15.39	29556	29334	3614	1165	29579	6 61.2	2 15.32	29573	29351	3614	1165	29596
Apr	6 61.4	2 15.38	29538	29316	3612	1164	29561	6 61.0	2 15.03	29560	29338	3611	1162	29583
May	6 61.0	2 15.46	29539	29317	3608	1164	29562	6 60.8	2 15.30	29556	29335	3609	1164	29579
Jun	6 60.3	2 15.32	29553	29332	3604	1164	29576	6 60.3	2 15.22	29563	29343	3605	1163	29586
Jul	6 60.1	2 15.49	29547	29326	3601	1165	29570	6 60.0	2 15.34	29560	29340	3603	1164	29583
Aug	6 59.8	2 15.33	29547	29327	3599	1164	29570	6 59.6	2 15.41	29581	29361	3602	1166	29604
Sep	6 59.5	2 15.17	29557	29337	3598	1163	29580	6 59.3	2 15.35	29570	29350	3598	1165	29593
Oct	6 59.5	2 14.76	29537	29317	3596	1158	29560	6 59.1	2 14.71	29563	29343	3596	1159	29586
Nov	6 58.8	2 14.62	29556	29337	3592	1158	29579	6 58.6	2 14.53	29566	29347	3591	1158	29589
Dec	6 58.3	2 14.52	29557	29339	3588	1157	29580	6 58.2	2 14.42	29569	29351	3588	1157	29592
I	6 60.4	2 14.81	29568	29347	3607	1160	29591	6 60.2	2 14.72	29580	29360	3606	1160	29603
II	6 60.5	2 15.18	29547	29326	3605	1162	29570	6 60.2	2 15.10	29566	29346	3605	1163	29589
III	6 60.3	2 15.40	29546	29326	3603	1164	29569	6 60.2	2 15.32	29565	29345	3605	1164	29588
Year	6 60.4	2 15.13	29554	29333	3605	1162	29577	6 60.2	2 15.05	29571	29350	3605	1162	29593
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	6 62.1	2 14.95	29605	29383	3626	1163	29628	6 62.5	2 15.35	29580	29357	3626	1165	29603
Feb	6 61.7	2 15.25	29583	29361	3620	1164	29606	6 62.6	2 15.48	29523	29301	3620	1164	29546
Mar	6 61.0	2 15.30	29572	29351	3612	1165	29595	6 61.7	2 15.49	29526	29304	3613	1164	29549
Apr	6 61.1	2 14.95	29573	29352	3613	1161	29596	6 62.3	2 16.09	29474	29252	3611	1167	29497
May	6 60.7	2 15.48	29558	29337	3608	1166	29581	6 61.5	2 15.26	29515	29293	3610	1162	29538
Jun	6 60.3	2 15.37	29567	29347	3606	1165	29590	6 60.2	2 15.51	29530	29310	3601	1165	29553
Jul	6 60.0	2 15.10	29560	29339	3602	1162	29583	6 60.1	2 15.77	29521	29301	3599	1166	29544
Aug	6 59.6	2 15.80	29581	29361	3601	1169	29604	6 60.3	2 15.66	29475	29255	3595	1164	29498
Sep	6 59.4	2 15.28	29567	29347	3598	1164	29590	6 60.0	2 15.14	29527	29307	3598	1161	29550
Oct	6 59.1	2 14.64	29557	29337	3594	1158	29579	6 60.3	2 15.10	29492	29272	3597	1160	29515
Nov	6 58.6	2 14.58	29571	29352	3592	1158	29593	6 58.7	2 14.42	29536	29317	3589	1155	29559
Dec	6 58.0	2 14.31	29572	29354	3587	1156	29595	6 58.6	2 14.62	29536	29318	3587	1157	29559
I	6 60.1	2 14.77	29583	29362	3606	1160	29606	6 60.6	2 14.97	29544	29323	3606	1160	29567
II	6 60.1	2 15.04	29567	29347	3605	1162	29590	6 61.1	2 15.46	29505	29284	3605	1163	29527
III	6 60.1	2 15.44	29567	29346	3604	1165	29590	6 60.5	2 15.55	29510	29290	3601	1164	29533
Year	6 60.1	2 15.08	29572	29352	3605	1163	29595	6 60.7	2 15.32	29520	29299	3604	1163	29542

Table 14. Summary of monthly means for 1940

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	6 58.6	2 14.61	29541	29322	3588	1157	29564	6 58.4	2 14.61	29550	29332	3587	1158	29573
Feb	6 57.6	2 14.56	29538	29321	3579	1157	29561	6 57.5	2 14.44	29551	29333	3580	1156	29573
Mar	6 57.5	2 14.15	29509	29292	3575	1152	29532	6 57.1	2 14.17	29555	29338	3577	1154	29578
Apr	6 57.0	2 14.32	29508	29292	3571	1154	29531	6 57.0	2 14.19	29529	29312	3573	1153	29551
May	6 56.4	2 14.48	29516	29300	3567	1155	29539	6 56.5	2 14.40	29530	29313	3569	1155	29552
Jun	6 56.0	2 14.61	29513	29297	3563	1156	29536	6 56.0	2 14.41	29532	29316	3565	1155	29554
Jul	6 55.5	2 14.52	29517	29302	3559	1156	29540	6 55.4	2 14.53	29524	29309	3559	1156	29547
Aug	6 55.1	2 14.32	29526	29311	3557	1154	29548	6 55.2	2 14.05	29538	29323	3559	1152	29561
Sep	6 54.9	2 14.34	29520	29306	3554	1154	29543	6 54.7	2 14.50	29535	29320	3554	1156	29558
Oct	6 54.5	2 14.12	29513	29299	3550	1152	29536	6 54.3	2 14.15	29525	29311	3550	1153	29547
Nov	6 54.0	2 13.75	29502	29288	3544	1148	29524	6 53.8	2 13.68	29514	29300	3544	1148	29536
Dec	6 53.4	2 13.58	29505	29292	3539	1147	29527	6 53.5	2 13.43	29516	29303	3541	1146	29539
I	6 55.9	2 14.12	29521	29306	3563	1152	29544	6 55.8	2 14.04	29533	29317	3563	1152	29555
II	6 56.0	2 14.23	29513	29297	3563	1153	29535	6 55.8	2 14.25	29536	29320	3564	1154	29559
III	6 55.8	2 14.48	29518	29302	3561	1155	29540	6 55.8	2 14.35	29531	29315	3563	1155	29554
Year	6 55.9	2 14.28	29517	29302	3562	1154	29540	6 55.8	2 14.21	29533	29318	3563	1154	29556
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	6 58.4	2 14.86	29552	29334	3588	1160	29575	6 58.9	2 14.59	29529	29310	3589	1157	29551
Feb	6 58.3	2 14.39	29554	29335	3587	1156	29576	6 57.7	2 14.85	29526	29308	3579	1159	29549
Mar	6 57.1	2 14.09	29559	29342	3577	1154	29582	6 58.6	2 14.37	29389	29172	3570	1149	29412
Apr	6 57.5	2 14.06	29531	29313	3577	1152	29553	6 57.6	2 14.38	29452	29235	3569	1152	29475
May	6 56.4	2 14.46	29531	29315	3568	1156	29554	6 56.3	2 14.31	29499	29283	3564	1153	29522
Jun	6 56.1	2 14.34	29533	29317	3565	1155	29555	6 56.3	2 14.92	29482	29266	3561	1158	29504
Jul	6 55.4	2 14.39	29527	29312	3559	1155	29549	6 55.6	2 14.55	29500	29285	3558	1155	29523
Aug	6 55.1	2 13.83	29543	29328	3558	1151	29565	6 54.8	2 14.99	29506	29292	3552	1159	29529
Sep	6 54.7	2 14.36	29535	29320	3554	1155	29557	6 55.2	2 14.39	29488	29274	3553	1153	29511
Oct	6 54.4	2 14.18	29530	29316	3551	1153	29553	6 54.7	2 14.44	29486	29272	3548	1154	29509
Nov	6 53.7	2 13.65	29517	29304	3543	1148	29540	6 54.1	2 13.76	29484	29270	3543	1148	29506
Dec	6 53.4	2 13.51	29522	29309	3542	1147	29545	6 53.4	2 13.77	29494	29281	3538	1148	29516
I	6 55.9	2 14.10	29536	29320	3565	1153	29559	6 56.0	2 14.24	29508	29292	3562	1153	29531
II	6 55.9	2 14.17	29539	29323	3565	1153	29561	6 56.5	2 14.40	29454	29238	3560	1152	29477
III	6 55.7	2 14.26	29533	29318	3563	1154	29556	6 55.8	2 14.69	29497	29281	3559	1156	29519
Year	6 55.9	2 14.18	29536	29320	3564	1153	29559	6 56.1	2 14.44	29486	29271	3560	1154	29509

Table 15. Summary of monthly means for 1941

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	6 52.9	2 13.81	29511	29298	3536	1149	29533	6 52.8	2 13.71	29520	29308	3537	1149	29543
Feb[a]	6 52.0	2 14.11	29504	29293	3528	1152	29527	6 52.2	2 14.00	29515	29303	3530	1151	29537
Mar	6 52.1	2 13.42	29463	29252	3523	1144	29486	6 51.8	2 13.26	29493	29282	3525	1144	29515
Apr	6 51.1	2 13.89	29480	29269	3517	1149	29502	6 51.1	2 13.69	29487	29277	3518	1147	29510
May	6 50.9	2 14.19	29482	29271	3516	1151	29504	6 50.8	2 14.22	29487	29277	3515	1152	29510
Jun	6 50.4	2 13.54	29488	29278	3511	1146	29510	6 50.4	2 13.80	29494	29284	3512	1149	29516
Jul	6 50.3	2 14.19	29453	29244	3507	1150	29476	6 50.1	2 13.91	29476	29267	3508	1149	29498
Aug	6 49.8	2 13.83	29464	29255	3504	1148	29486	6 49.7	2 14.07	29478	29269	3505	1150	29501
Sep	6 49.5	2 13.33	29448	29240	3499	1143	29470	6 49.2	2 13.29	29477	29268	3501	1144	29499
Oct	6 48.8	2 12.99	29459	29251	3495	1140	29481	6 48.7	2 13.05	29467	29259	3495	1141	29489
Nov	6 48.2	2 13.19	29447	29240	3489	1142	29470	6 48.0	2 13.09	29458	29251	3488	1141	29480
Dec	6 47.7	2 12.93	29455	29248	3485	1139	29477	6 47.4	2 12.84	29467	29260	3484	1139	29489
I	6 50.2	2 13.51	29479	29270	3509	1145	29502	6 50.1	2 13.41	29490	29280	3510	1145	29512
II	6 50.4	2 13.41	29462	29253	3509	1144	29485	6 50.2	2 13.32	29481	29271	3510	1144	29503
III	6 50.3	2 13.94	29472	29262	3509	1149	29494	6 50.2	2 14.00	29484	29274	3510	1150	29506
Year	6 50.3	2 13.62	29471	29262	3509	1146	29494	6 50.2	2 13.58	29485	29275	3510	1146	29507
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	6 52.7	2 13.84	29521	29309	3536	1150	29544	6 52.8	2 14.17	29494	29282	3533	1152	29517
Feb	6 52.3	2 13.65	29519	29307	3531	1148	29541	6 52.0	2 13.97	29492	29280	3526	1150	29514
Mar	6 51.9	2 13.20	29495	29283	3525	1143	29517	6 52.1	2 13.71	29413	29202	3518	1145	29435
Apr	6 50.9	2 13.88	29486	29275	3516	1149	29508	6 51.2	2 13.98	29471	29261	3516	1149	29494
May	6 50.8	2 14.26	29480	29270	3514	1152	29503	6 50.9	2 14.04	29468	29257	3514	1150	29490
Jun	6 50.6	2 13.84	29495	29285	3515	1149	29517	6 50.4	2 13.38	29474	29264	3510	1144	29496
Jul	6 50.1	2 13.92	29473	29264	3508	1149	29495	6 51.1	2 14.93	29386	29176	3506	1154	29408
Aug	6 49.6	2 13.82	29482	29273	3505	1148	29504	6 49.7	2 13.79	29433	29225	3499	1146	29456
Sep	6 49.4	2 13.22	29477	29268	3502	1143	29499	6 50.4	2 14.10	29369	29160	3498	1146	29391
Oct	6 48.6	2 13.18	29469	29261	3494	1142	29491	6 48.8	2 12.75	29445	29237	3493	1138	29466
Nov	6 47.9	2 13.03	29465	29258	3488	1141	29487	6 48.6	2 13.47	29412	29205	3488	1143	29435
Dec	6 47.6	2 12.89	29470	29263	3486	1140	29492	6 48.1	2 13.21	29432	29225	3486	1141	29454
I	6 50.1	2 13.35	29494	29284	3510	1145	29516	6 50.4	2 13.70	29458	29248	3508	1146	29480
II	6 50.2	2 13.37	29482	29272	3509	1144	29504	6 50.6	2 13.64	29424	29215	3506	1144	29447
III	6 50.3	2 13.96	29482	29273	3510	1149	29505	6 50.5	2 14.04	29440	29231	3507	1148	29463
Year	6 50.2	2 13.56	29486	29276	3510	1146	29508	6 50.5	2 13.79	29441	29231	3507	1146	29463

[a]Twenty-seven days only--Feb. 1-14, and 16-28.

Table 16. Summary of monthly means for 1942

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	6 47.4	2 12.69	29465	29259	3484	1138	29487	6 47.3	2 12.63	29470	29263	3484	1138	29492
Feb	6 47.3	2 12.88	29461	29254	3482	1139	29483	6 47.2	2 12.66	29475	29268	3483	1138	29497
Mar	6 46.9	2 12.76	29445	29239	3477	1138	29467	6 46.6	2 12.62	29458	29252	3476	1137	29480
Apr	6 46.5	2 12.85	29437	29231	3472	1138	29458	6 46.3	2 12.82	29445	29240	3472	1138	29467
May	6 46.1	2 12.81	29451	29246	3471	1138	29473	6 46.0	2 12.61	29461	29256	3472	1137	29483
Jun	6 45.5	2 12.84	29448	29244	3466	1139	29470	6 45.6	2 12.82	29458	29254	3467	1139	29480
Jul	6 45.1	2 12.62	29436	29232	3461	1136	29458	6 45.0	2 12.70	29446	29242	3461	1137	29468
Aug	6 44.9	2 12.44	29436	29232	3459	1135	29458	6 44.8	2 12.33	29445	29241	3459	1134	29466
Sep	6 44.1	2 12.15	29431	29228	3452	1132	29453	6 44.0	2 11.91	29443	29240	3452	1130	29465
Oct	6 43.6	2 11.84	29422	29219	3446	1129	29443	6 43.5	2 11.98	29438	29236	3447	1131	29460
Nov	6 43.1	2 12.19	29413	29211	3441	1132	29435	6 42.8	2 12.05	29423	29221	3440	1131	29444
Dec	6 42.5	2 11.82	29413	29212	3436	1128	29435	6 42.5	2 11.86	29423	29222	3437	1129	29445
I	6 45.1	2 12.40	29438	29234	3461	1134	29460	6 45.0	2 12.30	29448	29244	3461	1134	29469
II	6 45.3	2 12.40	29434	29229	3462	1134	29455	6 45.1	2 12.33	29446	29242	3462	1134	29468
III	6 45.4	2 12.68	29443	29238	3464	1137	29465	6 45.4	2 12.62	29452	29248	3465	1137	29474
Year	6 45.3	2 12.49	29438	29234	3462	1135	29460	6 45.1	2 12.42	29449	29244	3462	1135	29471
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	6 47.4	2 12.45	29472	29265	3485	1136	29494	6 47.5	2 12.77	29451	29244	3483	1138	29473
Feb	6 47.2	2 12.70	29475	29269	3483	1138	29497	6 47.6	2 12.80	29441	29234	3483	1138	29463
Mar	6 46.5	2 12.71	29458	29252	3475	1138	29480	6 47.1	2 13.15	29413	29207	3475	1140	29435
Apr	6 46.3	2 12.91	29449	29243	3472	1139	29471	6 47.0	2 12.94	29413	29207	3474	1138	29435
May	6 46.0	2 12.54	29460	29255	3471	1136	29482	6 46.1	2 12.81	29436	29231	3470	1138	29458
Jun	6 45.5	2 12.80	29461	29256	3467	1139	29483	6 45.5	2 12.98	29439	29234	3465	1139	29461
Jul	6 45.2	2 12.70	29447	29242	3463	1137	29469	6 44.9	2 12.48	29424	29220	3458	1135	29446
Aug	6 44.9	2 12.27	29442	29238	3460	1133	29464	6 44.9	2 12.47	29427	29223	3458	1134	29449
Sep	6 43.9	2 12.04	29446	29243	3451	1132	29468	6 44.3	2 12.39	29417	29213	3451	1133	29438
Oct	6 43.4	2 11.92	29439	29237	3447	1130	29461	6 43.9	2 11.76	29405	29203	3447	1128	29427
Nov	6 42.8	2 12.13	29419	29217	3439	1131	29441	6 43.0	2 11.97	29391	29189	3437	1129	29412
Dec	6 42.5	2 11.98	29426	29224	3438	1130	29448	6 42.3	2 11.60	29398	29197	3433	1126	29420
I	6 45.0	2 12.32	29448	29244	3461	1134	29470	6 45.1	2 12.28	29420	29216	3459	1133	29442
II	6 45.0	2 12.40	29448	29244	3461	1135	29470	6 45.5	2 12.56	29412	29207	3462	1135	29434
III	6 45.4	2 12.58	29452	29248	3465	1136	29474	6 45.4	2 12.68	29431	29227	3463	1137	29453
Year	6 45.1	2 12.43	29450	29245	3463	1135	29471	6 45.3	2 12.51	29421	29217	3461	1135	29443

Table 17. Summary of monthly means for 1943

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	6 42.0	2 11.77	29425	29224	3433	1128	29446	6 42.1	2 11.71	29433	29232	3434	1128	29455
Feb	6 41.5	2 11.97	29426	29226	3429	1130	29448	6 41.5	2 11.94	29436	29235	3430	1130	29458
Mar	6 41.4	2 11.84	29420	29219	3427	1129	29441	6 41.4	2 12.03	29429	29228	3428	1131	29450
Apr	6 41.2	2 11.91	29408	29208	3425	1129	29430	6 41.2	2 11.80	29422	29222	3426	1129	29444
May	6 40.7	2 11.93	29407	29208	3420	1129	29429	6 40.6	2 11.90	29422	29222	3421	1129	29443
Jun	6 40.1	2 11.77	29408	29209	3415	1128	29430	6 40.1	2 11.58	29418	29219	3416	1127	29440
Jul	6 39.7	2 11.13	29404	29205	3411	1122	29425	6 39.6	2 10.94	29416	29218	3412	1121	29438
Aug	6 39.5	2 11.19	29384	29186	3407	1122	29406	6 39.5	2 11.19	29395	29196	3408	1122	29416
Sep	6 39.0	2 11.59	29384	29186	3403	1125	29406	6 38.9	2 11.48	29398	29200	3404	1125	29419
Oct	6 38.6	2 11.07	29382	29185	3399	1121	29404	6 38.6	2 10.95	29399	29201	3401	1120	29420
Nov	6 38.0	2 11.08	29375	29178	3393	1121	29396	6 38.1	2 10.93	29392	29195	3396	1120	29414
Dec	6 37.9	2 10.82	29374	29178	3392	1118	29395	6 37.7	2 10.92	29384	29188	3392	1120	29406
I	6 39.8	2 11.41	29400	29201	3412	1124	29421	6 39.8	2 11.38	29411	29213	3413	1125	29433
II	6 40.1	2 11.60	29399	29200	3414	1126	29420	6 40.0	2 11.56	29412	29213	3415	1126	29433
III	6 40.0	2 11.50	29401	29202	3413	1125	29422	6 40.0	2 11.40	29413	29214	3414	1125	29434
Year	6 40.0	2 11.51	29400	29201	3413	1125	29421	6 39.9	2 11.45	29412	29213	3414	1125	29433
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	6 42.1	2 11.64	29432	29231	3434	1128	29453	6 42.0	2 11.63	29408	29207	3431	1127	29430
Feb	6 41.4	2 11.79	29436	29236	3429	1129	29458	6 41.3	2 12.07	29415	29215	3426	1131	29437
Mar	6 41.3	2 12.14	29429	29229	3428	1132	29451	6 41.7	2 11.58	29405	29205	3428	1126	29427
Apr	6 41.2	2 11.70	29427	29227	3426	1128	29449	6 41.5	2 12.06	29381	29181	3424	1129	29403
May	6 40.9	2 11.86	29418	29218	3423	1129	29439	6 40.7	2 11.88	29388	29189	3417	1128	29410
Jun	6 40.0	2 11.72	29419	29220	3416	1128	29441	6 40.1	2 11.68	29397	29198	3414	1127	29418
Jul	6 39.7	2 10.99	29413	29215	3412	1121	29435	6 39.8	2 11.45	29391	29192	3410	1124	29412
Aug	6 39.5	2 11.38	29392	29194	3408	1124	29414	6 39.7	2 11.19	29363	29165	3406	1121	29385
Sep	6 38.8	2 11.36	29402	29204	3403	1124	29423	6 38.9	2 11.66	29369	29172	3400	1125	29391
Oct	6 38.6	2 10.88	29401	29203	3401	1120	29422	6 38.6	2 11.16	29371	29174	3398	1121	29392
Nov	6 38.0	2 10.96	29398	29201	3396	1120	29420	6 37.9	2 11.30	29351	29155	3390	1122	29373
Dec	6 37.6	2 11.06	29385	29189	3391	1121	29407	6 37.9	2 10.50	29362	29165	3391	1115	29383
I	6 39.8	2 11.36	29413	29214	3413	1124	29434	6 39.8	2 11.38	29384	29185	3410	1123	29405
II	6 40.0	2 11.52	29415	29216	3415	1126	29436	6 40.2	2 11.62	29382	29183	3413	1125	29403
III	6 40.0	2 11.49	29411	29212	3415	1125	29432	6 40.1	2 11.55	29385	29186	3412	1125	29406
Year	6 39.9	2 11.46	29413	29214	3414	1125	29434	6 40.0	2 11.51	29383	29185	3411	1125	29405

Table 18. Summary of monthly means for 1944

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	6 37.4	2 10.67	29377	29181	3388	1117	29399	6 37.3	2 10.87	29381	29184	3388	1119	29402
Feb	6 36.7	2 11.04	29372	29177	3382	1120	29394	6 36.6	2 11.04	29383	29187	3383	1121	29404
Mar	6 36.4	2 10.48	29368	29173	3379	1115	29389	6 36.2	2 10.65	29375	29180	3378	1117	29396
Apr	6 35.9	2 10.71	29366	29171	3374	1117	29387	6 35.6	2 10.69	29375	29181	3373	1117	29396
May	6 35.2	2 10.77	29374	29180	3369	1118	29395	6 35.0	2 10.88	29383	29189	3369	1119	29404
Jun	6 34.9	2 10.52	29374	29181	3367	1116	29395	6 34.9	2 10.63	29379	29185	3368	1117	29400
Jul	6 34.5	2 10.40	29377	29184	3364	1115	29398	6 34.4	2 10.17	29382	29189	3364	1113	29403
Aug	6 34.2	2 10.30	29368	29175	3361	1114	29390	6 34.2	2 10.25	29375	29182	3361	1114	29396
Sep	6 33.7	2 09.92	29372	29180	3357	1111	29393	6 33.7	2 09.94	29378	29186	3358	1111	29399
Oct	6 33.3	2 09.65	29361	29169	3352	1108	29382	6 33.2	2 09.57	29370	29178	3352	1108	29391
Nov	6 32.8	2 09.45	29364	29172	3348	1106	29385	6 32.6	2 09.52	29368	29176	3347	1107	29389
Dec	6 32.7	2 09.56	29335	29144	3344	1106	29356	6 32.6	2 09.55	29354	29163	3345	1107	29375
I	6 34.9	2 10.18	29362	29169	3366	1112	29383	6 34.8	2 10.24	29371	29178	3366	1113	29392
II	6 34.8	2 10.19	29367	29173	3365	1113	29388	6 34.7	2 10.21	29374	29181	3365	1113	29396
III	6 34.7	2 10.50	29373	29180	3365	1116	29394	6 34.6	2 10.48	29380	29186	3365	1116	29401
Year	6 34.8	2 10.29	29367	29174	3365	1114	29389	6 34.7	2 10.31	29375	29182	3365	1114	29396
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	6 37.4	2 10.83	29381	29185	3389	1119	29402	6 37.7	2 10.57	29368	29172	3390	1116	29389
Feb	6 36.7	2 11.01	29383	29187	3383	1120	29404	6 36.9	2 11.26	29350	29154	3381	1121	29371
Mar	6 36.1	2 10.61	29381	29186	3378	1117	29402	6 36.6	2 10.28	29355	29160	3379	1113	29376
Apr	6 35.7	2 10.50	29381	29186	3374	1116	29402	6 36.0	2 10.80	29338	29143	3372	1117	29359
May	6 35.0	2 11.04	29382	29188	3368	1121	29404	6 35.5	2 10.81	29362	29168	3370	1118	29384
Jun	6 35.0	2 10.73	29381	29187	3368	1118	29402	6 34.9	2 10.44	29365	29172	3366	1115	29386
Jul	6 34.2	2 09.93	29383	29190	3362	1111	29404	6 34.6	2 10.69	29368	29174	3363	1117	29389
Aug	6 34.2	2 10.26	29373	29180	3360	1114	29394	6 34.4	2 10.10	29360	29167	3361	1112	29381
Sep	6 33.6	2 09.93	29382	29190	3357	1111	29403	6 33.7	2 09.86	29359	29167	3355	1110	29380
Oct	6 33.2	2 09.52	29370	29178	3352	1107	29391	6 33.3	2 09.74	29338	29146	3349	1108	29359
Nov	6 32.6	2 09.49	29367	29176	3346	1107	29388	6 33.1	2 09.48	29355	29163	3350	1106	29376
Dec	6 32.6	2 09.62	29350	29159	3345	1107	29371	6 33.0	2 09.53	29298	29107	3342	1104	29319
I	6 34.8	2 10.24	29370	29177	3366	1113	29391	6 35.2	2 10.21	29343	29149	3366	1112	29364
II	6 34.6	2 10.14	29378	29185	3365	1113	29399	6 34.9	2 10.17	29348	29154	3364	1112	29369
III	6 34.6	2 10.49	29380	29186	3365	1116	29401	6 34.8	2 10.51	29364	29170	3365	1115	29385
Year	6 34.7	2 10.29	29376	29183	3365	1114	29397	6 35.0	2 10.30	29351	29158	3365	1113	29372

Table 19. Summary of annual means for 1922-1944

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Year	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
1922	8 07.6	0 37.44	29735	29436	4203	324	29737	8 07.6	0 37.43	29741	29442	4204	324	29743
1923	8 04.6	0 45.57	29734	29440	4177	394	29737	8 04.5	0 45.55	29739	29444	4178	394	29742
1924	7 61.3	0 54.56	29716	29426	4146	472	29720	7 61.2	0 54.51	29721	29431	4147	471	29725
1925	7 58.3	0 61.93	29696	29409	4119	535	29701	7 58.2	0 61.89	29703	29416	4119	535	29708
1926	7 54.9	1 09.67	29666	29383	4085	601	29672	7 54.8	1 09.67	29676	29393	4085	601	29682
1927	7 50.4	1 17.29	29659	29382	4046	667	29667	7 50.4	1 17.31	29668	29391	4047	667	29676
1928	7 46.1	1 25.84	29646	29374	4007	740	29655	7 46.0	1 25.83	29656	29384	4007	741	29665
1929	7 41.6	1 33.90	29636	29369	3968	810	29647	7 41.5	1 33.89	29647	29380	3968	810	29658
1930	7 36.5	1 42.49	29614	29354	3921	883	29628	7 36.4	1 42.52	29626	29365	3922	884	29639
1931	7 30.8	1 50.29	29624	29369	3874	951	29639	7 30.8	1 50.26	29631	29377	3874	951	29646
1932	7 25.7	1 58.42	29617	29368	3829	1021	29634	7 25.6	1 58.40	29624	29375	3829	1021	29641
1933	7 21.4	2 04.69	29614	29370	3792	1075	29633	7 21.4	2 04.72	29621	29378	3793	1075	29641
1934	7 18.1	2 08.45	29622	29382	3765	1107	29643	7 18.0	2 08.46	29628	29387	3765	1108	29648
1935	7 15.2	2 11.17	29612	29375	3738	1130	29634	7 15.1	2 11.20	29619	29382	3739	1131	29641
1936	7 11.6	2 13.51	29609	29376	3708	1150	29631	7 11.5	2 13.50	29618	29385	3708	1151	29640
1937	7 08.3	2 15.28	29594	29364	3678	1165	29617	7 08.2	2 15.24	29606	29376	3678	1165	29628
1938	7 04.6	2 15.56	29572	29346	3643	1167	29595	7 04.4	2 15.44	29590	29365	3643	1166	29613
1939	6 60.4	2 15.13	29554	29333	3605	1162	29577	6 60.2	2 15.05	29571	29350	3605	1162	29593
1940	6 55.9	2 14.28	29517	29302	3562	1154	29540	6 55.8	2 14.21	29533	29318	3563	1154	29556
1941	6 50.3	2 13.62	29471	29262	3509	1146	29494	6 50.2	2 13.58	29485	29275	3510	1146	29507
1942	6 45.3	2 12.49	29438	29234	3462	1135	29460	6 45.1	2 12.42	29449	29244	3462	1135	29471
1943	6 40.0	2 11.51	29400	29201	3413	1125	29421	6 39.9	2 11.45	29412	29213	3414	1125	29433
1944	6 34.8	2 10.29	29367	29174	3365	1114	29389	6 34.7	2 10.31	29375	29182	3365	1114	29396
	Five international quiet days--GMT							Five international disturbed days--GMT						
1922	8 07.6	0 37.45	29741	29443	4204	324	29743	8 07.7	0 37.37	29722	29424	4202	323	29724
1923	8 04.5	0 45.54	29739	29444	4178	394	29741	8 04.7	0 45.64	29724	29429	4177	395	29726
1924	7 61.2	0 54.53	29722	29431	4147	472	29725	7 61.3	0 54.60	29704	29414	4145	472	29708
1925	7 58.1	0 61.90	29702	29416	4118	535	29707	7 58.5	0 61.97	29681	29394	4118	535	29686
1926	7 54.8	1 09.76	29677	29394	4085	602	29683	7 55.2	1 09.62	29644	29362	4085	600	29650
1927	7 50.4	1 17.30	29669	29392	4047	667	29677	7 50.6	1 17.28	29642	29365	4045	666	29650
1928	7 46.0	1 25.80	29657	29385	4008	740	29666	7 46.2	1 25.92	29629	29357	4006	741	29639
1929	7 41.6	1 33.93	29647	29381	3969	810	29658	7 41.9	1 33.89	29617	29350	3967	809	29628
1930	7 36.3	1 42.57	29630	29369	3922	884	29643	7 36.7	1 42.36	29593	29332	3920	881	29606
1931	7 30.8	1 50.39	29631	29377	3874	952	29647	7 30.9	1 50.31	29612	29357	3873	951	29627
1932	7 25.5	1 58.40	29624	29376	3828	1021	29642	7 25.8	1 58.44	29604	29355	3828	1020	29621
1933	7 21.4	2 04.76	29621	29378	3793	1075	29641	7 21.6	2 04.69	29600	29356	3792	1074	29620
1934	7 18.0	2 08.51	29629	29388	3765	1108	29649	7 18.2	2 08.50	29610	29370	3764	1107	29631
1935	7 15.0	2 11.25	29621	29384	3738	1131	29642	7 15.3	2 11.22	29598	29361	3738	1130	29620
1936	7 11.5	2 13.47	29619	29386	3708	1151	29641	7 11.7	2 13.57	29591	29358	3707	1150	29613
1937	7 08.1	2 15.28	29605	29375	3677	1166	29628	7 08.6	2 15.51	29568	29338	3677	1166	29591
1938	7 04.4	2 15.51	29591	29365	3644	1167	29614	7 04.9	2 15.62	29538	29313	3642	1166	29561
1939	6 60.1	2 15.08	29572	29352	3605	1163	29595	6 60.7	2 15.32	29520	29299	3604	1163	29542
1940	6 55.9	2 14.18	29536	29320	3564	1153	29559	6 56.1	2 14.44	29486	29271	3560	1154	29509
1941	6 50.2	2 13.56	29486	29276	3510	1146	29508	6 50.5	2 13.79	29441	29231	3507	1146	29463
1942	6 45.1	2 12.43	29450	29245	3463	1135	29471	6 45.3	2 12.51	29421	29217	3461	1135	29443
1943	6 39.9	2 11.46	29413	29214	3414	1125	29434	6 40.0	2 11.51	29383	29185	3411	1125	29405
1944	6 34.7	2 10.29	29376	29183	3365	1114	29397	6 35.0	2 10.30	29351	29158	3365	1113	29372

TABLES 20-28

MEAN DAILY NONCYCLIC CHANGE IN DECLINATION (D), HORIZONTAL INTENSITY (H), AND VERTICAL INTENSITY (Z), 1936-1944

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Mean daily noncyclic change in declination (D), horizontal intensity (H), and vertical intensity (Z)

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Table 20. Mean daily noncyclic change, 1936

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding day)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.01	- 0.02	- 0.1	- 0.4	+ 0.1	0.0	0.00	- 0.10	+ 4.1	+ 2.8	- 0.6	- 1.0
Feb	- 0.02	- 0.01	0.0	+ 0.2	0.0	0.0	- 0.08	- 0.06	+ 5.6	+ 5.5	+ 0.6	+ 0.2
Mar	- 0.03	- 0.03	+ 0.3	+ 0.2	+ 0.1	+ 0.2	- 0.03	- 0.09	+ 4.3	+ 3.9	+ 0.4	+ 0.1
Apr	0.00	0.00	- 1.1	- 0.6	+ 0.3	+ 0.3	- 0.09	- 0.10	+ 7.9	+ 7.3	- 0.2	- 0.8
May	- 0.01	- 0.01	+ 1.1	+ 0.6	0.0	0.0	- 0.11	- 0.09	+ 5.2	+ 3.1	- 0.5	- 0.7
Jun	- 0.01	- 0.01	+ 0.2	+ 0.4	+ 0.3	+ 0.3	- 0.05	- 0.10	+ 7.6	+ 7.6	+ 0.2	0.0
Jul	- 0.01	- 0.02	- 0.8	- 0.8	- 0.2	- 0.2	- 0.04	- 0.03	+ 4.7	+ 4.3	0.0	+ 0.1
Aug	- 0.01	0.00	+ 0.5	+ 0.3	0.0	0.0	- 0.07	- 0.05	+ 3.7	+ 3.9	+ 0.3	+ 0.4
Sep	0.00	0.00	- 1.0	- 0.9	- 0.4	- 0.2	- 0.05	- 0.10	+ 3.2	+ 3.0	- 0.2	- 0.2
Oct	0.00	- 0.01	- 0.5	- 0.6	+ 0.4	+ 0.1	- 0.15	- 0.13	+ 5.0	+ 4.8	+ 1.1	+ 0.5
Nov	- 0.01	- 0.01	+ 0.5	+ 0.3	- 0.1	- 0.1	+ 0.02	+ 0.05	+ 8.0	+ 7.4	- 0.2	0.0
Dec	0.00	0.00	+ 0.9	+ 0.9	+ 0.2	+ 0.2	- 0.20	- 0.24	0.0	+ 0.3	- 0.6	- 0.5
I	- 0.01	- 0.01	+ 0.3	+ 0.2	0.0	0.0	- 0.06	- 0.09	+ 4.4	+ 4.0	- 0.2	- 0.3
II	- 0.01	- 0.01	- 0.6	- 0.5	+ 0.1	+ 0.1	- 0.08	- 0.10	+ 5.1	+ 4.8	+ 0.3	- 0.1
III	- 0.01	- 0.01	+ 0.2	+ 0.1	0.0	0.0	- 0.07	- 0.07	+ 5.3	+ 4.7	0.0	0.0
Year	- 0.01	- 0.01	0.0	0.0	+ 0.1	0.0	- 0.07	- 0.09	+ 4.9	+ 4.5	0.0	- 0.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.24	+ 0.22	+ 3.6	+ 2.8	+ 1.6	0.0	+ 0.04	+ 0.02	-19.8	-14.0	- 1.4	- 0.2
Feb	- 0.02	- 0.12	+ 6.2	+ 6.6	- 0.2	- 0.2	+ 0.02	+ 0.14	-11.6	-10.0	- 0.2	0.0
Mar	- 0.04	- 0.06	+ 9.2	+ 4.0	+ 2.6	+ 0.6	0.00	0.00	-21.6	-24.4	- 0.8	- 0.6
Apr	- 0.22	- 0.16	+ 8.8	+ 7.2	+ 0.2	- 0.6	- 0.12	+ 0.02	+ 5.6	- 1.6	- 0.2	0.0
May	- 0.08	- 0.06	+ 4.6	+ 5.6	+ 1.0	+ 1.0	+ 0.20	+ 0.30	-16.0	-12.0	+ 0.2	0.0
Jun	- 0.08	- 0.04	+ 2.4	+ 1.2	+ 1.4	+ 0.8	+ 0.14	+ 0.12	-11.8	-17.8	+ 0.2	- 0.6
Jul	- 0.12	- 0.14	+ 6.2	+ 5.4	- 1.0	- 0.4	+ 0.06	+ 0.32	-27.2	-29.2	+ 0.2	+ 0.4
Aug	- 0.02	- 0.08	+ 6.8	+ 4.6	+ 1.0	+ 1.2	+ 0.06	+ 0.06	- 7.0	- 1.2	+ 0.6	+ 0.2
Sep	- 0.34	- 0.30	+12.4	+ 6.2	- 1.6	- 1.2	+ 0.26	+ 0.34	-12.4	- 5.0	- 1.8	- 0.4
Oct	- 0.14	- 0.02	+ 3.0	+ 2.6	+ 0.4	+ 1.0	+ 0.58	+ 0.32	- 8.6	-11.6	- 1.4	- 1.6
Nov	- 0.06	- 0.12	+ 1.0	- 0.6	- 1.0	- 0.2	+ 0.56	+ 0.44	-40.4	-29.0	- 1.2	+ 1.0
Dec	- 0.02	- 0.12	+ 4.4	+ 3.4	- 0.2	- 0.8	+ 0.18	+ 0.04	-14.6	-13.8	- 2.6	- 0.8
I	+ 0.04	- 0.04	+ 3.8	+ 3.0	0.0	- 0.3	+ 0.20	+ 0.16	-21.6	-16.7	- 1.4	0.0
II	- 0.18	- 0.14	+ 8.4	+ 5.0	+ 0.4	0.0	+ 0.18	+ 0.17	- 9.2	-10.6	- 1.0	- 0.6
III	- 0.08	- 0.08	+ 5.0	+ 4.2	+ 0.6	+ 0.6	+ 0.12	+ 0.20	-15.5	-15.0	+ 0.3	0.0
Year	- 0.08	- 0.08	+ 5.7	+ 4.1	+ 0.4	+ 0.1	+ 0.16	+ 0.18	-15.4	-14.1	- 0.7	- 0.2

Table 21. Mean daily noncyclic change, 1937

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding day)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.02	- 0.04	- 0.3	- 0.2	+ 0.1	+ 0.1	- 0.11	- 0.16	+ 4.9	+ 5.1	- 0.2	- 0.2
Feb	- 0.02	0.00	- 0.2	- 0.1	+ 0.1	+ 0.1	+ 0.03	+ 0.02	+ 2.7	+ 3.6	0.0	0.0
Mar	+ 0.01	+ 0.01	- 1.3	- 1.3	+ 0.1	+ 0.2	- 0.25	- 0.20	+ 9.6	+ 9.5	- 1.2	- 0.9
Apr	0.00	+ 0.01	- 0.2	- 0.4	+ 0.2	+ 0.1	- 0.09	- 0.09	+ 5.1	+ 5.1	- 0.4	+ 0.2
May	- 0.03	- 0.03	+ 0.9	+ 1.3	- 0.1	0.0	+ 0.01	- 0.02	+ 8.9	+ 7.7	+ 0.7	+ 0.4
Jun	- 0.02	- 0.02	+ 0.4	+ 0.3	+ 0.1	+ 0.1	- 0.13	- 0.13	+ 6.6	+ 4.8	+ 0.2	- 0.7
Jul	- 0.02	- 0.02	+ 0.5	+ 0.5	0.0	0.0	- 0.05	- 0.04	+ 5.9	+ 4.7	0.0	- 0.4
Aug	- 0.01	- 0.01	+ 0.1	- 0.1	- 0.1	- 0.2	- 0.07	- 0.05	+ 8.2	+ 7.7	+ 0.2	0.0
Sep	+ 0.03	+ 0.02	- 2.9	- 3.6	0.0	+ 0.1	- 0.01	- 0.04	+ 5.1	+ 4.1	- 0.1	- 0.5
Oct	- 0.04	- 0.05	+ 2.1	+ 2.7	- 0.2	- 0.2	- 0.12	- 0.11	+ 5.7	+ 8.4	- 0.3	- 0.1
Nov	+ 0.06	+ 0.04	- 2.4	- 2.5	0.0	- 0.1	+ 0.10	- 0.03	+ 3.2	+ 4.1	- 0.3	- 0.2
Dec	- 0.03	- 0.03	+ 2.5	+ 2.5	- 0.2	- 0.1	+ 0.11	+ 0.08	+ 7.8	+ 7.2	- 0.3	- 0.2
I	0.00	- 0.01	- 0.1	- 0.1	0.0	0.0	+ 0.03	- 0.02	+ 4.6	+ 5.0	- 0.2	- 0.2
II	0.00	0.00	- 0.6	- 0.6	0.0	0.0	- 0.12	- 0.11	+ 6.4	+ 6.8	- 0.5	- 0.3
III	- 0.02	- 0.02	+ 0.5	+ 0.5	0.0	0.0	- 0.06	- 0.06	+ 7.4	+ 6.2	+ 0.3	- 0.2
Year	- 0.01	- 0.01	- 0.1	- 0.1	0.0	0.0	- 0.05	- 0.06	+ 6.1	+ 6.0	- 0.1	- 0.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.10	0.00	+10.4	+ 7.4	+ 2.4	+ 0.8	+ 0.82	+ 0.82	- 32.6	- 24.2	+ 0.2	0.0
Feb	+ 0.02	- 0.06	+ 4.6	+ 2.0	- 1.4	- 0.6	+ 0.84	+ 0.92	- 30.8	- 17.4	+ 0.6	+ 1.2
Mar	- 0.38	- 0.28	+12.0	+10.0	+ 0.2	+ 0.6	+ 0.74	+ 0.88	- 51.4	- 30.8	+ 1.4	+ 1.4
Apr	+ 0.12	+ 0.06	- 5.2	- 5.2	- 0.2	0.0	+ 0.10	+ 0.24	- 15.4	- 15.6	- 0.4	- 0.2
May	- 0.12	+ 0.02	+ 2.2	+ 6.2	+ 0.8	+ 0.8	+ 0.34	+ 0.36	- 9.6	- 10.6	- 1.2	- 1.2
Jun	- 0.04	- 0.24	+14.6	+17.8	+ 0.6	- 0.2	- 0.02	+ 0.22	- 39.4	- 37.4	+ 1.2	+ 1.6
Jul	+ 0.16	+ 0.14	+ 8.2	+ 9.6	+ 1.2	+ 0.6	+ 0.24	+ 0.36	- 21.8	- 12.6	+ 2.2	+ 2.0
Aug	- 0.18	- 0.28	+17.4	+13.2	+ 0.2	0.0	+ 0.38	+ 0.26	- 32.6	- 30.6	- 0.2	+ 0.4
Sep	- 0.38	- 0.32	+10.2	+ 9.6	- 1.2	- 1.0	+ 0.34	+ 0.58	- 41.6	- 49.6	- 0.4	- 1.0
Oct	- 0.12	- 0.26	+13.2	+10.8	- 1.2	- 0.6	+ 0.06	+ 0.28	- 8.4	- 3.8	- 0.4	+ 1.6
Nov	+ 0.10	+ 0.06	+ 1.6	+ 1.0	- 0.4	0.0	+ 0.52	+ 0.54	- 16.8	- 14.6	+ 0.2	+ 1.0
Dec	+ 0.10	0.00	+10.2	+ 8.0	+ 1.4	+ 0.4	- 0.14	- 0.12	- 18.4	- 16.2	- 0.4	- 0.4
I	+ 0.03	0.00	+ 6.7	+ 4.6	+ 0.5	+ 0.2	+ 0.51	+ 0.54	- 24.6	- 18.1	+ 0.2	+ 0.4
II	- 0.19	- 0.20	+ 7.6	+ 6.3	- 0.6	- 0.2	+ 0.31	+ 0.50	- 29.2	- 25.0	0.0	+ 0.4
III	- 0.04	- 0.09	+10.6	+11.7	+ 0.7	+ 0.3	+ 0.24	+ 0.30	- 25.8	- 22.8	+ 0.5	+ 0.7
Year	- 0.07	- 0.10	+ 8.3	+ 7.5	+ 0.2	+ 0.1	+ 0.35	+ 0.44	- 26.6	- 22.0	+ 0.2	+ 0.5

Table 22. Mean daily noncyclic change, 1938

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding day)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.01	- 0.02	- 1.5	- 1.4	+ 0.1	+ 0.2	- 0.22	- 0.10	+ 7.0	+ 7.3	- 0.2	0.0
Feb	- 0.05	- 0.02	+ 0.9	+ 0.6	+ 0.1	+ 0.1	- 0.18	- 0.22	+11.3	+ 7.0	- 0.8	- 1.2
Mar	- 0.02	- 0.03	+ 0.5	+ 0.7	+ 0.1	+ 0.1	- 0.04	- 0.13	+ 5.3	+ 5.2	+ 0.2	- 0.2
Apr	- 0.01	0.00	+ 0.1	0.0	+ 0.2	+ 0.2	- 0.08	- 0.02	+ 2.6	+ 0.2	+ 0.7	+ 0.5
May	0.00	0.00	- 0.5	- 0.4	0.0	0.0	- 0.04	- 0.09	+ 6.8	+ 5.5	- 0.9	- 0.8
Jun	- 0.03	- 0.03	- 0.2	- 0.6	- 0.3	- 0.3	+ 0.02	+ 0.01	- 2.5	- 0.8	- 0.2	+ 0.1
Jul	+ 0.01	0.00	- 0.2	+ 0.3	+ 0.1	+ 0.1	+ 0.01	- 0.01	+ 2.3	+ 0.4	- 0.1	+ 0.2
Aug	0.00	0.00	+ 0.9	+ 0.8	- 0.1	- 0.1	- 0.07	- 0.01	+ 5.2	+ 3.7	+ 0.1	+ 0.1
Sep	+ 0.01	+ 0.05	- 4.9	- 4.4	- 0.3	0.0	- 0.14	- 0.23	+ 7.0	+ 5.1	- 0.1	- 0.5
Oct	- 0.04	- 0.07	+ 4.1	+ 3.7	+ 0.2	- 0.1	+ 0.03	0.00	+ 1.7	+ 4.6	- 0.6	- 0.3
Nov	- 0.02	- 0.02	+ 1.0	+ 0.8	- 0.1	- 0.1	- 0.02	0.00	+ 3.4	+ 4.6	- 0.5	- 0.1
Dec	- 0.02	- 0.03	+ 0.6	+ 0.5	- 0.1	- 0.2	- 0.08	- 0.11	+ 4.4	+ 6.2	- 0.3	- 0.2
I	- 0.02	- 0.02	+ 0.2	+ 0.1	0.0	0.0	- 0.12	- 0.11	+ 6.5	+ 6.3	- 0.4	- 0.4
II	- 0.02	- 0.01	0.0	0.0	0.0	0.0	- 0.06	- 0.10	+ 4.2	+ 3.8	0.0	- 0.1
III	0.00	- 0.01	0.0	0.0	- 0.1	- 0.1	- 0.02	- 0.02	+ 3.0	+ 2.2	- 0.3	- 0.1
Year	- 0.02	- 0.01	+ 0.1	0.0	0.0	0.0	- 0.07	- 0.08	+ 4.5	+ 4.1	- 0.2	- 0.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.66	- 0.46	+16.4	+12.6	- 3.2	- 1.4	+ 0.14	- 0.02	-42.8	-34.0	- 0.6	- 0.6
Feb	- 0.32	- 0.06	+ 9.6	+11.6	+ 1.4	+ 0.2	+ 0.26	+ 0.18	-28.6	-26.6	+ 0.4	+ 0.6
Mar	- 0.04	+ 0.14	+ 7.6	+ 8.0	- 1.4	- 0.8	- 0.18	+ 0.04	-24.6	-14.4	- 0.2	+ 0.2
Apr	- 0.10	- 0.04	+ 2.6	+ 3.0	+ 0.6	+ 0.4	+ 0.48	+ 0.24	-17.4	-13.2	+ 1.2	+ 1.0
May	- 0.12	- 0.38	+ 6.0	+ 6.6	- 2.2	- 1.2	+ 0.28	+ 0.46	-43.0	-23.2	- 2.2	- 0.4
Jun	- 0.22	- 0.08	+ 8.8	+ 6.8	- 0.8	- 1.4	+ 0.68	+ 0.42	-21.2	-13.8	- 1.6	- 0.4
Jul	+ 0.14	+ 0.02	+ 3.8	+ 5.0	+ 0.2	- 0.2	+ 0.56	+ 0.46	-24.8	-17.2	- 0.6	+ 0.4
Aug	- 0.22	- 0.28	+16.0	+16.8	+ 0.4	+ 0.6	- 0.08	- 0.14	-25.0	-14.4	+ 1.4	+ 1.4
Sep	- 0.32	- 0.26	+10.8	+11.2	+ 1.4	+ 1.4	+ 0.10	+ 0.08	-11.2	-13.4	- 2.6	- 1.8
Oct	+ 0.10	+ 0.08	+ 3.8	0.0	+ 0.4	- 0.6	- 0.24	- 0.24	+ 3.8	+ 3.2	- 1.2	- 1.2
Nov	- 0.06	- 0.02	+13.0	+11.0	+ 0.4	+ 0.4	+ 0.76	+ 0.32	-26.4	-28.4	+ 0.8	- 1.0
Dec	+ 0.12	+ 0.02	+11.2	+10.8	- 3.4	- 1.6	+ 0.82	+ 0.74	-51.4	-50.6	+ 2.2	- 0.4
I	- 0.23	- 0.13	+12.6	+11.5	- 1.2	- 0.6	+ 0.50	+ 0.30	-37.3	-34.9	+ 0.7	- 0.4
II	- 0.09	- 0.02	+ 6.2	+ 5.6	+ 0.2	+ 0.1	+ 0.04	+ 0.03	-12.4	- 9.4	- 0.7	- 0.4
III	- 0.10	- 0.18	+ 8.6	+ 8.8	- 0.6	- 0.6	+ 0.36	+ 0.30	-28.5	-17.2	- 0.8	+ 0.2
Year	- 0.14	- 0.11	+ 9.1	+ 8.6	- 0.5	- 0.4	+ 0.30	+ 0.21	-26.0	-20.5	- 0.2	- 0.2

Table 23. Mean daily noncyclic change, 1939

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding day)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	0.00	+ 0.01	- 0.6	- 0.5	+ 0.1	+ 0.3	- 0.07	+ 0.02	- 1.2	- 1.8	+ 0.1	+ 1.0
Feb	0.00	0.00	- 2.0	- 1.9	- 0.1	- 0.2	+ 0.05	- 0.15	+ 7.8	+ 7.7	- 0.1	- 0.8
Mar	- 0.02	- 0.04	- 0.1	- 0.2	+ 0.2	+ 0.2	- 0.14	- 0.13	+ 2.4	- 0.2	- 0.4	- 0.3
Apr	- 0.03	+ 0.01	+ 0.5	+ 0.3	- 0.1	0.0	- 0.15	+ 0.16	- 11.0	- 8.9	- 2.0	- 0.8
May	- 0.02	- 0.03	+ 0.9	+ 0.8	+ 0.1	+ 0.1	- 0.18	- 0.09	+ 6.6	+ 3.6	+ 0.3	- 0.1
Jun	0.00	- 0.01	- 0.6	- 0.1	0.0	0.0	- 0.08	- 0.06	- 1.7	+ 4.4	- 0.4	- 0.1
Jul	- 0.03	- 0.02	+ 0.1	+ 0.2	0.0	+ 0.1	- 0.16	- 0.17	+ 6.4	+ 4.5	+ 0.2	+ 0.3
Aug	- 0.01	- 0.01	+ 0.1	- 0.2	- 0.1	- 0.1	- 0.07	- 0.06	+ 2.5	+ 2.5	- 0.8	- 0.6
Sep	+ 0.03	+ 0.01	- 0.8	- 0.5	- 0.1	0.0	+ 0.01	0.00	- 0.4	- 1.7	- 0.2	+ 0.4
Oct	- 0.05	- 0.05	- 0.1	- 0.4	- 0.2	- 0.2	- 0.31	- 0.29	+14.5	+ 7.5	- 0.9	- 1.3
Nov	+ 0.02	+ 0.02	+ 0.9	+ 0.5	- 0.2	- 0.3	- 0.07	- 0.11	+ 4.9	+ 5.1	- 0.5	- 0.4
Dec	- 0.03	- 0.01	- 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.02	+ 0.09	+ 8.9	+ 4.8	+ 0.4	- 0.2
I	0.00	0.00	- 0.5	- 0.4	0.0	0.0	- 0.02	- 0.04	+ 5.1	+ 4.0	0.0	- 0.1
II	- 0.02	- 0.02	- 0.1	- 0.2	0.0	0.0	- 0.15	- 0.06	+ 1.4	- 0.8	- 0.9	- 0.5
III	- 0.02	- 0.02	+ 0.1	+ 0.2	0.0	0.0	- 0.12	- 0.10	+ 3.4	+ 3.8	- 0.2	- 0.1
Year	- 0.01	- 0.01	- 0.2	- 0.2	0.0	0.0	- 0.10	- 0.07	+ 3.3	+ 2.3	- 0.4	- 0.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.02	- 0.30	+ 7.4	+ 6.8	+ 0.6	+ 0.4	- 0.04	+ 0.16	- 12.6	- 8.0	+ 1.4	+ 1.6
Feb	- 0.18	- 0.04	+ 8.4	+ 6.0	+ 0.6	+ 0.8	+ 0.06	+ 0.22	- 54.4	- 47.2	- 2.8	- 1.0
Mar	- 0.34	- 0.28	+12.8	+ 9.4	+ 3.6	+ 1.2	+ 0.06	+ 0.10	- 13.4	- 10.0	- 1.6	- 0.8
Apr	- 0.38	- 0.26	+12.0	+ 8.8	- 1.8	- 1.0	+ 0.44	+ 0.56	- 28.4	- 17.8	+ 1.2	+ 2.2
May	- 0.12	- 0.08	+ 6.0	+ 5.8	+ 1.0	+ 1.0	+ 0.42	+ 0.60	- 19.0	- 22.4	- 1.2	- 0.6
Jun	- 0.14	- 0.16	+ 1.8	+ 2.0	- 1.2	- 1.0	+ 0.54	+ 0.64	- 11.4	- 14.8	+ 1.2	+ 0.6
Jul	- 0.20	- 0.16	+11.6	+11.2	+ 0.4	0.0	+ 0.34	+ 0.38	- 23.4	- 23.6	- 0.2	0.0
Aug	- 0.10	- 0.08	+ 3.4	+ 1.8	+ 0.4	+ 0.2	+ 0.64	+ 0.66	- 29.2	- 36.2	- 0.2	- 1.2
Sep	- 0.26	+ 0.06	+ 1.6	+ 3.6	+ 1.4	+ 1.6	+ 0.34	+ 0.04	- 39.6	- 34.4	- 0.8	+ 0.6
Oct	+ 0.18	- 0.04	+19.0	+14.8	+ 2.6	+ 2.0	+ 0.32	+ 0.22	- 32.0	- 26.2	- 1.4	- 0.6
Nov	- 0.36	- 0.18	+ 5.8	+ 3.2	- 0.6	- 1.2	+ 0.08	0.00	+ 1.4	+ 3.2	0.0	0.0
Dec	+ 0.12	+ 0.06	+ 6.6	+ 5.6	+ 3.0	+ 1.2	+ 0.06	- 0.12	- 1.8	- 3.2	0.0	- 1.2
I	- 0.11	- 0.12	+ 7.0	+ 5.4	+ 0.9	+ 0.3	+ 0.04	+ 0.06	- 16.8	- 13.8	- 0.4	- 0.2
II	- 0.20	- 0.13	+11.4	+ 9.2	+ 1.4	+ 1.0	+ 0.29	+ 0.23	- 28.4	- 22.1	- 0.6	+ 0.4
III	- 0.14	- 0.12	+ 5.7	+ 5.2	+ 0.2	0.0	+ 0.48	+ 0.57	- 20.8	- 24.2	- 0.1	- 0.3
Year	- 0.15	- 0.12	+ 8.0	+ 6.6	+ 0.8	+ 0.4	+ 0.27	+ 0.29	- 22.0	- 20.0	- 0.4	0.0

Table 24. Mean daily noncyclic change, 1940

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding day)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	+ 0.02	0.00	- 0.8	- 0.9	0.0	- 0.1	- 0.06	- 0.12	+ 0.6	+ 0.4	- 0.2	- 0.4
Feb	- 0.05	- 0.06	+ 0.6	+ 0.9	- 0.2	- 0.1	- 0.02	- 0.08	- 0.8	+ 0.3	0.0	+ 0.1
Mar	+ 0.02	+ 0.04	- 4.5	- 4.2	- 0.1	0.0	- 0.10	- 0.08	+ 1.3	+ 1.1	0.0	0.0
Apr	- 0.03	- 0.03	+ 3.4	+ 2.9	+ 0.4	+ 0.3	- 0.55	- 0.14	- 6.0	- 7.0	- 1.9	- 0.9
May	- 0.02	- 0.03	+ 0.9	+ 0.8	0.0	0.0	- 0.02	- 0.08	+ 0.5	- 1.3	- 0.3	- 0.5
Jun	- 0.01	- 0.01	- 1.0	- 1.0	0.0	+ 0.1	- 0.12	- 0.17	+ 4.8	+ 4.3	- 0.7	- 0.5
Jul	- 0.02	- 0.01	+ 0.3	+ 0.5	- 0.1	- 0.1	- 0.10	- 0.11	+ 6.0	+ 3.5	0.0	+ 0.1
Aug	- 0.02	- 0.02	- 0.2	- 0.6	- 0.2	- 0.2	- 0.02	- 0.09	+ 7.7	+ 7.1	+ 0.1	0.0
Sep	- 0.04	- 0.03	- 0.6	- 0.9	+ 0.1	0.0	- 0.18	- 0.12	+ 2.8	+ 0.6	- 0.5	- 0.1
Oct	+ 0.01	- 0.01	+ 1.0	+ 1.5	0.0	0.0	- 0.23	- 0.34	+ 7.6	+ 6.8	- 0.5	- 1.2
Nov	- 0.01	0.00	- 0.3	- 0.4	- 0.4	- 0.3	- 0.03	- 0.21	+ 7.2	+ 8.9	- 1.1	- 1.1
Dec	0.00	- 0.02	- 0.4	+ 0.2	- 0.1	0.0	+ 0.10	0.00	+ 5.1	+ 3.0	+ 0.5	- 0.5
I	- 0.01	- 0.02	- 0.2	0.0	- 0.2	- 0.1	0.00	- 0.10	+ 3.0	+ 3.2	- 0.2	- 0.5
II	- 0.01	- 0.01	- 0.2	- 0.2	+ 0.1	+ 0.1	- 0.26	- 0.17	+ 1.4	+ 0.4	- 0.7	- 0.6
III	- 0.02	- 0.02	0.0	- 0.1	- 0.1	0.0	- 0.06	- 0.11	+ 4.8	+ 3.4	- 0.2	- 0.2
Year	- 0.01	- 0.02	- 0.1	- 0.1	0.0	0.0	- 0.11	- 0.13	+ 3.1	+ 2.3	- 0.4	- 0.4
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.02	- 0.02	+ 2.4	+ 2.0	- 2.2	- 1.6	+ 0.24	+ 0.40	- 38.4	- 47.4	- 2.0	- 2.6
Feb	- 0.14	+ 0.12	+ 5.2	+ 1.2	- 1.4	- 0.8	+ 0.12	+ 0.10	+ 17.2	+ 19.6	+ 1.8	+ 0.8
Mar	- 0.26	- 0.24	+ 7.0	+ 6.2	0.0	- 0.4	- 0.44	- 0.04	- 29.0	- 43.6	- 2.6	- 2.2
Apr	- 0.10	- 0.18	+ 4.8	+ 3.0	- 1.4	- 1.0	- 0.08	- 0.16	- 2.2	- 3.8	+ 0.8	+ 1.2
May	- 0.22	- 0.14	+ 8.0	+ 6.6	0.0	+ 0.2	+ 0.42	+ 0.22	- 26.8	- 24.8	+ 0.2	- 1.0
Jun	- 0.24	- 0.14	+ 7.4	+ 9.4	0.0	0.0	+ 0.40	+ 0.40	- 18.6	- 11.2	+ 0.6	+ 0.4
Jul	- 0.24	- 0.24	+ 7.8	+ 5.8	+ 0.8	- 0.2	+ 0.14	- 0.04	- 3.8	+ 3.6	- 0.2	- 1.4
Aug	- 0.18	- 0.20	+ 7.2	+ 8.4	- 0.4	+ 1.0	+ 0.46	+ 0.38	- 40.2	- 29.4	+ 2.4	+ 3.2
Sep	- 0.40	- 0.02	+ 13.4	+ 11.4	+ 0.8	+ 1.0	+ 0.08	+ 0.18	- 10.6	- 5.4	+ 1.2	+ 0.6
Oct	- 0.12	- 0.22	+ 4.8	+ 7.6	- 0.2	- 0.6	+ 0.34	+ 0.20	- 19.2	- 11.0	+ 2.8	+ 2.0
Nov	- 0.24	- 0.28	+ 10.8	+ 12.0	- 0.4	0.0	+ 0.56	+ 0.26	- 21.6	- 18.2	- 1.0	- 0.2
Dec	- 0.06	+ 0.02	+ 6.8	+ 6.6	- 1.4	- 1.0	+ 0.08	- 0.02	- 3.2	- 4.6	+ 1.2	+ 1.6
I	- 0.10	- 0.04	+ 6.3	+ 5.4	- 1.4	- 0.8	+ 0.25	+ 0.18	- 11.5	- 12.6	0.0	- 0.1
II	- 0.22	- 0.16	+ 7.5	+ 7.0	- 0.2	- 0.2	- 0.02	+ 0.04	- 15.2	- 16.0	+ 0.6	+ 0.4
III	- 0.22	- 0.18	+ 7.6	+ 7.6	+ 0.1	+ 0.2	+ 0.36	+ 0.24	- 22.4	- 15.4	+ 0.8	+ 0.3
Year	- 0.18	- 0.13	+ 7.1	+ 6.7	- 0.5	- 0.3	+ 0.19	+ 0.16	- 16.4	- 14.7	+ 0.4	+ 0.2

Table 25. Mean daily noncyclic change, 1941

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding day)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.04	- 0.02	+ 0.7	+ 0.3	+ 0.1	+ 0.2	- 0.08	- 0.06	- 5.5	- 4.4	- 1.7	- 0.9
Feb	- 0.02	- 0.10	+ 1.6	+ 1.5	+ 0.1	- 0.3	- 0.08	- 0.27	+ 4.6	+ 6.0	- 0.5	- 1.2
Mar	+ 0.02	+ 0.09	- 3.6	- 3.6	0.0	+ 0.3	- 0.03	- 0.03	+ 5.0	+ 4.1	+ 0.2	- 0.1
Apr	- 0.03	- 0.03	+ 1.1	+ 1.1	+ 0.1	+ 0.1	- 0.07	- 0.04	+ 3.6	+ 4.7	- 0.7	- 0.2
May	- 0.03	- 0.03	0.0	- 0.2	- 0.1	- 0.1	- 0.08	- 0.04	+13.6	+ 7.8	+ 0.7	- 0.2
Jun	- 0.02	- 0.02	+ 0.6	+ 0.4	0.0	0.0	- 0.11	- 0.08	+ 6.5	+ 5.0	- 0.4	- 0.1
Jul	- 0.01	- 0.01	- 0.6	- 0.3	0.0	0.0	- 0.09	- 0.07	+ 2.5	+ 3.6	- 0.4	- 0.1
Aug	- 0.01	- 0.01	- 0.6	- 0.7	- 0.1	- 0.1	- 0.09	- 0.11	+ 4.9	+ 3.1	0.0	+ 0.1
Sep	0.00	0.00	- 0.6	- 0.4	- 0.1	- 0.1	- 0.13	- 0.05	+ 7.0	+ 7.1	- 0.2	- 0.3
Oct	0.00	0.00	- 4.9	- 3.7	- 0.3	- 0.1	- 0.08	- 0.14	- 0.7	+ 1.4	- 0.1	- 0.3
Nov	- 0.03	- 0.03	+ 5.3	+ 4.1	+ 0.1	- 0.1	- 0.10	- 0.04	+ 8.9	+ 7.0	- 0.7	- 0.7
Dec	- 0.03	- 0.04	+ 1.0	+ 0.8	- 0.1	- 0.1	- 0.12	- 0.14	+ 2.5	+ 2.4	- 0.6	- 0.9
I	- 0.03	- 0.05	+ 2.2	+ 1.7	0.0	- 0.1	- 0.10	- 0.13	+ 2.6	+ 2.8	- 0.9	- 0.9
II	0.00	+ 0.02	- 2.0	- 1.6	- 0.1	0.0	- 0.08	- 0.06	+ 3.7	+ 4.3	- 0.2	- 0.2
III	- 0.02	- 0.02	- 0.2	- 0.2	0.0	0.0	- 0.09	- 0.08	+ 6.9	+ 4.9	0.0	- 0.1
Year	- 0.02	- 0.02	0.0	- 0.1	0.0	0.0	- 0.09	- 0.09	+ 4.4	+ 4.0	- 0.4	- 0.4
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.42	- 0.10	+12.6	+ 8.4	- 0.4	- 0.6	+ 0.54	+ 0.04	- 18.0	- 12.6	- 0.4	- 0.2
Feb	+ 0.02	- 0.06	+ 3.0	+ 4.0	- 1.4	- 0.8	0.00	+ 0.26	- 5.6	- 1.4	- 1.4	0.0
Mar	- 0.14	- 0.14	+16.4	+12.8	- 0.4	- 1.0	+ 0.32	+ 0.44	- 88.6	- 59.6	- 0.6	+ 1.4
Apr	- 0.06	- 0.10	+ 9.8	+10.4	+ 0.2	+ 0.2	+ 0.28	+ 0.22	- 22.8	- 13.2	0.0	+ 0.6
May	- 0.12	- 0.20	+10.2	+ 8.0	- 0.2	0.0	+ 0.14	+ 0.18	- 13.0	- 12.4	- 0.8	- 0.6
Jun	- 0.14	- 0.08	+ 3.6	+ 5.0	- 1.0	- 0.8	+ 0.02	0.00	- 8.8	- 9.2	+ 0.2	- 0.2
Jul	- 0.08	- 0.08	+ 5.6	+ 3.2	- 0.2	- 1.0	+ 0.54	+ 0.34	- 25.0	- 22.4	- 0.2	0.0
Aug	- 0.16	- 0.10	+ 7.0	+ 4.8	- 1.2	- 1.0	+ 0.54	+ 0.32	- 29.8	- 20.8	+ 0.4	+ 0.4
Sep	- 0.10	- 0.08	+11.6	+11.6	- 0.6	- 0.2	+ 0.30	+ 0.16	- 27.6	- 29.4	+ 1.2	+ 0.8
Oct	- 0.06	- 0.20	+ 5.6	- 4.0	+ 1.0	0.0	+ 0.20	+ 0.40	- 42.8	- 49.4	- 1.6	- 2.2
Nov	- 0.24	- 0.04	+10.2	+12.0	- 2.6	- 1.2	+ 0.76	+ 0.52	- 14.8	- 4.8	+ 1.4	+ 1.8
Dec	- 0.16	+ 0.10	+ 6.2	+ 8.2	+ 1.4	+ 0.8	- 0.20	- 0.36	- 3.8	+ 4.4	- 0.4	+ 0.2
I	- 0.20	- 0.02	+ 8.0	+ 8.2	- 0.8	- 0.4	+ 0.28	+ 0.12	- 10.6	- 3.6	- 0.2	+ 0.4
II	- 0.09	- 0.13	+10.8	+ 7.7	0.0	- 0.2	+ 0.28	+ 0.30	- 45.4	- 37.9	- 0.2	+ 0.2
III	- 0.12	- 0.12	+ 6.6	+ 5.2	- 0.6	- 0.7	+ 0.31	+ 0.21	- 19.2	- 16.2	- 0.1	- 0.1
Year	- 0.14	- 0.09	+ 8.5	+ 7.0	- 0.4	- 0.5	+ 0.29	+ 0.21	- 25.0	- 19.2	- 0.2	+ 0.2

Table 26. Mean daily noncyclic change, 1942

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding day)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	0.00	0.00	0.0	0.0	0.0	+ 0.1	- 0.11	- 0.08	+ 4.5	+ 5.7	- 0.6	- 0.2
Feb	- 0.02	0.00	- 1.5	- 1.5	- 0.1	- 0.1	- 0.02	- 0.09	+ 5.6	+ 5.3	- 0.2	- 0.9
Mar	- 0.03	- 0.02	+ 1.2	+ 1.2	+ 0.1	0.0	- 0.04	- 0.04	+ 2.5	+ 4.6	- 0.8	- 0.3
Apr	+ 0.01	+ 0.01	- 1.7	- 2.1	+ 0.1	+ 0.1	- 0.20	- 0.23	- 0.1	+ 4.6	+ 0.1	+ 0.6
May	- 0.01	- 0.02	+ 1.3	+ 1.6	0.0	0.0	- 0.03	- 0.06	+ 6.5	+ 3.4	+ 0.8	+ 0.5
Jun	- 0.03	- 0.04	- 0.6	- 0.4	- 0.1	- 0.1	- 0.14	- 0.10	+ 6.0	+ 3.9	0.0	+ 0.1
Jul	- 0.01	0.00	+ 0.1	- 0.3	+ 0.1	0.0	- 0.14	- 0.03	- 0.7	- 0.8	- 0.3	+ 0.1
Aug	- 0.02	- 0.03	- 0.5	- 0.3	- 0.2	- 0.1	- 0.10	- 0.08	- 0.5	+ 1.6	- 0.4	- 0.3
Sep	- 0.02	- 0.02	+ 0.1	+ 0.2	- 0.1	- 0.1	- 0.07	- 0.12	+ 4.2	+ 5.3	- 0.5	- 0.1
Oct	- 0.02	- 0.03	- 0.8	- 1.0	+ 0.1	0.0	- 0.13	- 0.17	+ 4.2	- 0.4	+ 0.1	- 0.3
Nov	- 0.01	- 0.01	- 0.2	0.0	- 0.2	- 0.2	- 0.05	- 0.15	+ 7.1	+ 6.7	- 0.4	- 0.8
Dec	- 0.02	- 0.02	+ 1.2	+ 1.2	0.0	0.0	- 0.20	- 0.23	+ 4.9	+ 5.7	- 0.2	- 0.5
I	- 0.01	- 0.01	- 0.1	- 0.1	- 0.1	0.0	- 0.10	- 0.14	+ 5.5	+ 5.8	- 0.4	- 0.6
II	- 0.02	- 0.02	- 0.3	- 0.4	0.0	0.0	- 0.11	- 0.14	+ 2.7	+ 3.5	- 0.3	0.0
III	- 0.02	- 0.02	+ 0.1	+ 0.2	0.0	0.0	- 0.10	- 0.07	+ 2.8	+ 2.0	0.0	+ 0.1
Year	- 0.02	- 0.02	- 0.1	- 0.1	0.0	0.0	- 0.10	- 0.12	+ 3.7	+ 3.8	- 0.2	- 0.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.30	- 0.12	+ 4.2	+ 7.2	- 0.4	0.0	- 0.16	- 0.24	- 6.2	- 3.2	0.0	- 0.6
Feb	+ 0.08	- 0.02	+12.0	+12.4	+ 1.2	+ 0.4	+ 0.58	+ 0.36	- 14.2	- 8.4	- 0.4	- 1.0
Mar	- 0.18	+ 0.06	+ 2.0	+ 0.6	+ 0.6	0.0	- 0.14	- 0.02	- 15.0	- 11.6	+ 1.2	+ 1.2
Apr	- 0.06	- 0.08	+ 9.4	+11.0	- 0.2	0.0	+ 0.38	+ 0.18	+ 5.2	+ 8.4	+ 0.6	+ 1.0
May	+ 0.10	- 0.06	+ 5.8	+ 8.0	0.0	- 0.2	- 0.14	+ 0.12	- 17.4	- 19.2	+ 0.8	+ 0.8
Jun	- 0.26	- 0.14	+ 4.4	+ 5.4	- 0.2	- 0.2	+ 0.06	+ 0.20	- 17.4	- 19.0	+ 1.0	+ 0.4
Jul	- 0.08	- 0.14	+ 4.2	+ 2.6	- 0.2	- 0.4	- 0.08	+ 0.12	- 16.8	- 8.4	+ 1.0	- 0.4
Aug	- 0.26	- 0.04	+ 5.4	+ 6.6	- 1.2	- 0.2	+ 0.10	- 0.18	- 16.6	- 18.4	- 1.6	- 1.2
Sep	+ 0.14	+ 0.02	+ 5.2	+ 4.2	- 0.8	- 0.4	+ 0.30	+ 0.24	- 9.2	- 4.8	0.0	- 0.2
Oct	- 0.06	- 0.04	+ 8.8	+ 7.8	+ 0.4	0.0	+ 0.44	+ 0.44	- 31.8	- 26.2	- 2.2	0.0
Nov	+ 0.14	+ 0.06	+10.0	+ 7.6	- 1.4	- 0.2	+ 0.28	+ 0.12	- 13.6	- 11.2	- 0.2	- 1.2
Dec	- 0.10	- 0.12	+ 5.6	+ 5.8	- 0.8	- 0.6	+ 0.06	- 0.06	- 9.4	- 10.4	- 3.2	- 2.4
I	- 0.04	- 0.05	+ 8.0	+ 8.2	- 0.4	- 0.1	+ 0.19	+ 0.04	- 10.8	- 8.3	- 1.0	- 1.3
II	- 0.04	- 0.01	+ 6.4	+ 5.9	0.0	- 0.1	+ 0.24	+ 0.21	- 12.7	- 8.6	- 0.1	+ 0.5
III	- 0.12	- 0.10	+ 5.0	+ 5.6	- 0.4	- 0.2	- 0.02	+ 0.06	- 17.0	- 16.2	+ 0.3	- 0.1
Year	- 0.07	- 0.05	+ 6.4	+ 6.6	- 0.2	- 0.2	+ 0.14	+ 0.11	- 13.5	- 11.0	- 0.2	- 0.3

Table 27. Mean daily noncyclic change, 1943

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding day)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	+ 0.01	+ 0.01	- 0.6	- 0.7	0.0	0.0	+ 0.15	- 0.02	+ 0.3	- 1.3	- 0.1	- 0.5
Feb	- 0.04	- 0.03	+ 0.3	+ 0.4	- 0.1	0.0	- 0.11	- 0.15	+ 6.3	- 1.9	- 0.9	- 1.4
Mar	- 0.01	0.00	- 1.6	- 1.1	+ 0.1	+ 0.1	- 0.01	- 0.03	- 2.3	- 3.2	- 0.7	- 1.3
Apr	- 0.05	- 0.04	- 0.1	- 0.3	- 0.1	0.0	- 0.20	- 0.22	+ 5.6	+ 5.0	- 0.2	- 0.4
May	+ 0.02	+ 0.01	+ 1.4	+ 1.0	+ 0.1	+ 0.1	- 0.10	- 0.04	+ 3.3	+ 1.9	- 0.5	- 0.3
Jun	- 0.01	- 0.01	- 0.5	- 0.6	- 0.3	- 0.3	+ 0.06	+ 0.06	+ 0.8	+ 3.8	+ 0.1	+ 0.4
Jul	- 0.03	- 0.03	+ 0.1	+ 0.2	- 0.1	- 0.1	- 0.14	- 0.04	+ 3.3	- 2.7	+ 0.1	- 0.5
Aug	+ 0.01	+ 0.01	- 2.0	- 1.5	+ 0.3	+ 0.3	- 0.15	- 0.17	+ 1.9	+ 2.4	0.0	0.0
Sep	- 0.04	- 0.02	+ 1.5	0.0	- 0.1	- 0.2	0.00	- 0.09	+ 4.7	+ 5.4	- 0.2	- 0.8
Oct	0.00	- 0.02	- 0.7	+ 0.5	- 0.2	- 0.1	- 0.07	- 0.19	+ 3.5	+ 1.3	- 0.6	- 1.2
Nov	- 0.01	0.00	+ 0.2	- 0.2	0.0	- 0.1	- 0.15	- 0.08	+ 4.9	+ 4.9	- 1.5	- 1.1
Dec	- 0.01	- 0.02	- 0.1	+ 0.1	- 0.2	- 0.2	- 0.16	- 0.17	+ 2.9	+ 3.5	- 0.2	- 0.2
I	- 0.01	- 0.01	0.0	- 0.1	- 0.1	- 0.1	- 0.07	- 0.10	+ 3.6	+ 1.3	- 0.7	- 0.8
II	- 0.02	- 0.02	- 0.2	- 0.2	- 0.1	0.0	- 0.07	- 0.13	+ 2.9	+ 2.1	- 0.4	- 0.9
III	0.00	0.00	- 0.2	- 0.2	0.0	0.0	- 0.08	- 0.05	+ 2.3	+ 1.4	- 0.1	- 0.1
Year	- 0.01	- 0.01	- 0.2	- 0.2	0.0	0.0	- 0.07	- 0.10	+ 2.9	+ 1.6	- 0.4	- 0.6
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.20	- 0.04	+10.4	+ 8.4	+ 0.2	+ 0.2	0.00	+ 0.16	-13.4	-10.8	+ 0.2	+ 1.0
Feb	- 0.14	- 0.06	+ 5.8	+ 6.4	- 3.6	- 1.6	+ 0.04	+ 0.08	-22.0	-27.8	+ 1.6	- 0.2
Mar	- 0.02	- 0.06	- 1.2	- 0.2	+ 2.2	+ 1.8	+ 0.26	- 0.06	-21.6	-15.0	- 4.4	- 2.8
Apr	- 0.34	- 0.32	+ 5.8	+ 4.6	- 0.4	+ 0.2	+ 0.18	+ 0.38	-11.0	- 6.2	0.0	+ 0.4
May	- 0.28	- 0.32	+ 8.8	+11.0	0.0	0.0	+ 0.22	+ 0.20	-11.6	- 4.8	- 1.2	- 1.0
Jun	- 0.18	- 0.04	+ 7.6	+ 6.8	+ 1.6	+ 1.0	+ 0.18	+ 0.08	- 2.6	+ 0.6	- 1.2	- 1.4
Jul	- 0.10	- 0.14	+11.8	+13.2	+ 0.2	+ 0.2	0.00	0.00	- 3.2	0.0	+ 0.2	+ 0.2
Aug	- 0.14	- 0.22	+12.0	+ 6.8	+ 0.2	- 0.2	+ 0.38	- 0.10	-29.4	-11.0	+ 0.2	0.0
Sep	- 0.02	- 0.10	+ 0.4	+ 0.6	- 0.6	- 0.4	- 0.14	- 0.08	- 4.8	-11.4	+ 1.2	0.0
Oct	0.00	+ 0.06	+ 7.8	+ 6.8	0.0	0.0	+ 0.20	+ 0.06	+ 8.2	+ 6.4	+ 0.8	- 0.2
Nov	- 0.02	- 0.04	+ 9.6	+ 6.0	- 2.4	- 0.6	- 0.08	+ 0.16	- 9.0	-16.0	- 0.4	- 0.2
Dec	- 0.08	- 0.14	+ 6.0	+ 5.0	+ 1.0	+ 0.8	- 0.28	- 0.26	- 8.4	- 5.6	- 1.0	- 0.2
I	- 0.11	- 0.07	+ 8.0	+ 6.4	- 1.2	- 0.3	- 0.08	+ 0.04	-13.2	-15.0	+ 0.1	+ 0.1
II	- 0.10	- 0.10	+ 3.2	+ 3.0	+ 0.3	+ 0.4	+ 0.12	+ 0.08	- 7.3	- 6.6	- 0.6	- 0.6
III	- 0.18	- 0.18	+10.0	+ 9.4	+ 0.5	+ 0.2	+ 0.20	+ 0.04	-11.7	- 3.8	- 0.5	- 0.6
Year	- 0.13	- 0.12	+ 7.1	+ 6.3	- 0.1	+ 0.1	+ 0.08	+ 0.05	-10.7	- 8.5	- 0.3	- 0.4

Table 28. Mean daily noncyclic change, 1944

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding day)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	0.00	0.00	- 0.1	- 0.1	+ 0.1	+ 0.2	- 0.04	- 0.02	+ 1.2	+ 2.0	+ 0.5	+ 0.5
Feb	- 0.04	- 0.03	- 0.5	- 0.6	- 0.2	- 0.1	- 0.09	- 0.05	+ 7.8	+ 7.2	+ 0.1	- 0.6
Mar	- 0.01	- 0.01	0.0	+ 0.1	+ 0.2	+ 0.1	- 0.09	- 0.03	+ 3.5	+ 2.6	+ 0.2	+ 0.3
Apr	- 0.03	- 0.02	+ 0.3	+ 0.4	0.0	+ 0.1	- 0.08	- 0.05	+ 0.9	+ 0.7	- 0.3	- 0.4
May	- 0.01	- 0.02	+ 0.1	- 0.1	0.0	0.0	- 0.03	- 0.01	- 1.9	- 1.8	- 0.2	0.0
Jun	- 0.01	- 0.01	- 0.1	+ 0.2	0.0	0.0	+ 0.04	+ 0.01	+ 2.4	+ 3.6	+ 0.9	+ 0.8
Jul	- 0.02	- 0.02	0.0	+ 0.1	- 0.1	- 0.1	- 0.02	+ 0.06	- 1.4	- 2.6	+ 0.1	+ 0.2
Aug	- 0.01	- 0.01	- 0.1	- 0.4	- 0.1	- 0.1	- 0.08	- 0.05	+ 5.3	+ 0.9	- 0.2	- 0.4
Sep	+ 0.01	- 0.01	- 0.8	- 0.6	0.0	0.0	- 0.10	- 0.08	- 2.5	- 0.5	- 0.6	- 0.4
Oct	- 0.03	- 0.02	+ 0.6	+ 0.5	- 0.3	- 0.2	- 0.07	- 0.11	+ 3.1	+ 3.1	0.0	- 0.5
Nov	- 0.03	- 0.03	+ 0.2	+ 0.2	- 0.1	- 0.1	- 0.11	- 0.06	+ 0.8	+ 0.1	+ 0.8	+ 0.8
Dec	+ 0.01	+ 0.01	- 1.3	- 1.2	+ 0.1	+ 0.1	- 0.12	- 0.17	+ 1.9	+ 2.5	- 0.2	- 0.3
I	- 0.02	- 0.01	- 0.4	- 0.4	0.0	0.0	- 0.09	- 0.08	+ 2.9	+ 3.0	+ 0.3	+ 0.1
II	- 0.02	- 0.02	0.0	+ 0.1	0.0	0.0	- 0.08	- 0.07	+ 1.2	+ 1.5	- 0.2	- 0.2
III	- 0.01	- 0.02	0.0	0.0	0.0	0.0	- 0.02	0.00	+ 1.1	0.0	+ 0.2	+ 0.2
Year	- 0.01	- 0.01	- 0.1	- 0.1	0.0	0.0	- 0.07	- 0.05	+ 1.8	+ 1.5	+ 0.1	0.0
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.04	+ 0.06	+ 4.4	+ 0.4	+ 1.8	+ 1.2	- 0.16	- 0.14	+ 6.2	- 0.2	+ 2.2	+ 1.2
Feb	- 0.04	- 0.22	+ 6.6	+ 6.4	- 0.4	- 0.2	0.00	- 0.08	- 4.2	- 10.8	- 1.2	- 1.0
Mar	+ 0.02	- 0.10	+ 3.4	+ 1.2	+ 2.2	+ 1.2	- 0.26	- 0.24	- 4.2	+ 5.0	- 0.8	+ 1.4
Apr	+ 0.10	+ 0.06	+ 3.4	+ 5.2	- 0.4	+ 0.4	+ 0.50	+ 0.38	- 17.6	- 12.0	+ 1.2	+ 0.6
May	- 0.02	- 0.12	+ 3.4	+ 4.0	+ 0.4	+ 0.4	+ 0.02	+ 0.08	- 2.2	- 0.6	+ 0.6	+ 0.6
Jun	- 0.22	- 0.08	+ 8.6	+ 9.6	+ 0.2	+ 1.6	+ 0.34	+ 0.14	- 12.8	- 8.4	- 1.0	- 1.4
Jul	- 0.20	- 0.10	+ 0.2	- 0.6	- 0.2	- 0.2	+ 0.50	+ 0.26	- 7.4	- 2.6	- 0.2	- 0.8
Aug	- 0.10	- 0.18	+ 6.6	+ 6.8	- 0.6	- 1.0	+ 0.44	+ 0.46	- 22.2	- 23.4	+ 0.2	0.0
Sep	- 0.04	- 0.02	+ 9.0	+ 4.2	- 0.2	- 1.0	- 0.16	- 0.12	+ 1.8	+ 1.2	+ 1.0	+ 0.6
Oct	+ 0.16	+ 0.20	+ 9.8	+ 9.0	+ 0.4	+ 0.2	- 0.14	- 0.14	+ 0.6	+ 5.0	+ 1.2	+ 0.6
Nov	- 0.24	- 0.20	+ 5.0	+ 6.0	+ 0.4	+ 1.2	+ 0.30	+ 0.20	- 11.4	- 11.8	+ 0.4	- 0.2
Dec	- 0.18	- 0.16	+ 4.6	+ 4.6	+ 0.4	+ 0.8	+ 0.54	+ 0.40	- 39.8	- 41.0	- 2.0	- 1.2
I	- 0.12	- 0.13	+ 5.2	+ 4.4	+ 0.6	+ 0.8	+ 0.17	+ 0.10	- 12.3	- 16.0	- 0.2	- 0.3
II	+ 0.06	+ 0.04	+ 6.4	+ 4.9	+ 0.5	+ 0.2	- 0.02	- 0.03	- 4.8	- 0.2	+ 0.6	+ 0.8
III	- 0.14	- 0.12	+ 4.7	+ 5.0	0.0	+ 0.2	+ 0.32	+ 0.24	- 11.2	- 8.8	- 0.1	- 0.4
Year	- 0.07	- 0.07	+ 5.4	+ 4.7	+ 0.3	+ 0.4	+ 0.16	+ 0.10	- 9.4	- 8.3	+ 0.1	0.0

TABLES 29-352

HOURLY MEAN VALUES OF DECLINATION, HORIZONTAL INTENSITY,

AND VERTICAL INTENSITY, 1936-1944

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Hourly mean values of declination, horizontal intensity, and vertical intensity

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TABLE 29

DECLINATION

JANUARY 1936

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1936

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			134	133	133	135	137	136	124	130	144	169	179	183	185	181	182	165	136	128	120	124	128	130	133	134	145	0	12	31	191	18	43	116	75
2	✓			133	132	131	131	133	133	126	141	156	170	180	182	169	165	171	157	134	118	115	122	127	131	133	132	143	0	10	50	190	18	24	113	77
3	✓	✓		132	131	131	132	137	138	124	128	141	153	153	146	142	141	124	113	105	108	112	123	130	133	135	134	131	0	9	37	158	16	20	103	55
4	✓	✓		133	133	132	132	134	135	123	125	130	134	135	144	144	137	135	129	118	112	116	127	131	133	133	134	131	0	11	33	149	17	30	110	39
5	✓			132	131	127	124	126	125	119	124	132	133	143	149	147	139	129	112	94	110	120	127	132	134	134	134	128	0	11	30	151	16	30	92	59
6	✓	✓		132	128	125	124	121	115	112	135	160	167	170	171	169	155	141	129	131	132	126	132	136	136	134	131	138	0	10	20	174	6	13	105	69
7	✓	✓		126	124	123	122	122	121	116	127	130	127	140	155	145	130	124	131	126	128	131	134	135	134	134	130	130	0	11	27	160	6	15	114	46
8			✓	124	124	122	122	123	115	105	120	133	124	126	143	162	155	153	143	132	125	130	133	135	134	130	127	131	1	12	22	171	6	30	102	69
9				124	119	117	114	120	116	108	133	154	161	150	143	143	147	155	154	146	142	142	141	142	139	134	130	136	0	9	43	163	6	20	104	59
10				121	114	116	118	117	114	118	141	154	177	188	195	186	180	174	153	137	130	130	134	134	133	133	132	143	1	11	10	202	1	40	112	90
11				128	125	123	118	119	124	114	123	143	153	164	164	159	151	137	125	121	116	121	128	134	133	132	127	133	0	11	02	170	6	40	112	58
12				123	118	120	123	122	117	111	124	144	155	163	155	147	140	142	133	120	123	129	136	135	133	130	129	132	0	10	20	169	6	16	109	60
13				125	122	116	119	124	121	111	134	154	162	159	158	154	153	152	144	125	121	126	133	132	132	131	130	135	1	9	56	171	6	15	105	66
14				127	124	120	120	118	120	110	116	138	158	179	192	183	173	158	135	121	121	120	129	132	131	130	124	137	0	11	23	198	6	30	105	93
15	✓			123	121	119	116	120	117	108	120	139	152	167	166	150	143	135	120	114	121	126	134	133	130	129	126	130	0	10	40	173	6	34	105	68
16	✓	✓		124	123	121	119	117	121	116	122	132	141	150	160	165	158	145	138	128	124	126	133	134	132	133	131	133	0	12	10	170	4	20	114	56
17	✓			125	121	123	120	120	121	110	119	139	161	169	170	166	164	162	145	126	113	120	129	131	131	131	127	135	0	11	33	172	6	37	107	65
18			✓	123	124	123	120	125	119	112	119	125	142	160	191	183	179	151	141	134	128	125	131	133	134	134	134	137	1	11	26	199	6	10	110	89
19				133	132	129	124	125	123	114	112	110	132	139	148	146	155	146	125	112	113	122	126	128	132	133	133	129	1	11	53	160	17	04	109	51
20				133	129	125	123	125	124	116	125	143	154	161	172	176	161	153	151	131	123	123	124	129	130	132	132	137	0	12	30	181	6	30	114	67
21				134	132	130	127	125	124	113	112	125	132	125	135	143	144	141	134	130	131	125	126	131	134	136	136	130	1	14	00	147	6	43	110	37
22				138	135	133	129	130	122	109	106	105	109	123	139	148	150	151	144	135	131	123	131	134	136	140	141	131	0	12	25	155	8	43	102	53
23				135	137	136	131	131	125	111	118	130	132	144	157	159	152	132	122	119	115	121	123	125	133	139	139	132	0	11	57	163	6	40	109	54
24			✓	133	130	124	128	129	122	110	120	128	135	150	159	165	163	145	136	143	143	134	143	146	150	151	141	139	1	11	53	178	6	30	107	71
25			✓	138	134	133	132	129	126	115	122	140	150	167	190	185	174	152	142	133	124	115	123	125	128	130	127	139	1	11	52	194	6	40	113	81
26			✓	132	130	133	126	134	133	117	130	150	154	164	167	160	145	145	151	136	123	119	123	130	133	130	127	137	1	11	30	174	6	27	114	60
27				129	131	125	126	124	120	110	121	139	153	166	184	185	187	172	151	131	121	113	122	125	124	127	126	138	0	13	30	192	6	29	106	86
28				124	123	129	128	131	129	119	131	141	143	152	155	148	134	132	134	142	131	122	124	129	128	130	129	133	1	11	50	159	6	30	116	43
29				128	129	129	129	128	126	111	113	125	140	154	170	172	164	166	152	131	119	115	124	129	131	134	134	136	0	12	28	176	6	50	106	70
30				133	127	129	128	134	133	123	131	144	150	152	151	149	153	155	151	141	127	123	119	124	129	131	131	136	0	14	47	161	19	04	115	46
31				131	130	130	128	133	134	123	123	135	148	161	174	172	167	164	150	125	120	120	121	130	131	131	130	138	0	11	30	182	17	29	117	65
MEANS ALL DAYS				129	127	126	125	126	124	115	124	138	147	156	163	162	156	149	139	128	123	123	128	132	133	133	131	135								64
MEANS TEN DAYS ✲				129	128	126	126	127	126	118	127	140	151	159	163	158	151	145	134	121	119	121	128	132	132	133	131	134								61
MEANS FIVE DAYS † (G. M. T.)				129	128	126	126	126	126	118	127	139	144	150	155	153	144	134	128	122	121	120 122	128 130	132	133	133	131	132							
MEANS FIVE DAYS ‡ (G. M. T.)				130	128	127	126	128	123	112	122	135	141	153	170	171	163	149	143	136	129	125	130	132	135	137	133	137								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 30

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1936 — FEBRUARY 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓	✓		127	126	125	127	132	132	117	125	141	140	135	133	138	146	153	150	135	131	127	125	126	128	129	130	132	0	14	55	158	6 50	114	44
2				131	130	130	129	131	129	114	109	108	105	114	123	136	144	149	144	134	129	120	125	132	134	133	134	128	1	14	14	154	10 00	102	52
3				131	129	131	132	133	134	127	122	114	106	116	126	136	144	144	134	133	133	128	125	131	128	124	124	129	0	13	58	153	9 09	104	49
4				123	123	116	113	120	121	112	105	106	113	128	141	154	165	164	149	141	139	134	132	131	128	126	125	130	0	14	00	173	7 34	103	70
5	✓	✓		125	124	117	114	119	123	110	104	100	91	88	101	127	143	144	141	136	133	125	126	126	126	124	124	120	0	14	48	150	10 10	83	67
6	✓			123	117	115	118	123	123	111	110	110	107	107	117	119	123	129	124	123	123	129	126	129	129	124	121	120	0	14	30	131	10 43	103	28
7	✓	✓		114	113	113	118	122	124	116	115	114	113	114	121	134	143	145	143	142	130	122	124	127	127	125	124	124	0	14	20	150	9 53	109	41
8	✓			124	123	121	123	123	123	103	100	113	129	141	136	136	153	151	152	139	123	120	126	129	127	129	123	128	0	13	34	162	6 50	97	65
9				118	114	110	112	112	117	110	112	126	137	150	149	152	148	153	151	135	130	129	128	134	133	133	129	130	1	12	34	162	6 53	105	57
10				125	121	116	115	119	116	100	85	86	96	113	139	153	152	152	153	154	148	134	133	133	130	131	126	126	1	12	03	162	7 20	82	80
11				118	118	117	120	123	125	115	112	123	133	142	151	162	(162)	153	143	135	129	124	124	127	128	128	125	131	0	[13	13	166]	7 39	109	[57]
12	✓			123	123	122	121	121	123	120	120	124	125	124	124	124	133	139	133	124	123	123	124	130	131	128	125	125	0	14	28	142	6 50	118	24
13	✓	✓		122	118	115	118	121	120	107	110	120	129	134	141	152	172	177	162	144	134	124	124	128	128	124	123	131	0	14	25	181	6 40	105	76
14				120	119	118	115	119	115	112	113	118	124	143	136	141	155	163	158	140	125	121	125	129	125	127	130	129	1	14	32	168	6 37	109	59
15				129	126	125	125	131	133	119	111	114	120	135	142	154	163	170	165	154	142	133	129	125	126	125	125	134	1	14	14	174	7 14	106	68
16			✓	123	123	121	121	124	122	82	82	95	116	135	148	154	150	151	133	124	124	123	125	127	130	128	131	125	1	12	07	164	6 55	69	95
17			✓	131	135	137	142	138	138	122	112	112	107	126	138	163	181	185	173	154	133	127	129	132	132	135	136	138	1	14	13	192	9 06	103	89
18				132	135	134	135	135	135	122	107	96	93	93	106	126	145	164	167	154	136	126	126	126	126	126	126	128	0	15	23	171	10 10	87	84
19			✓	132	132	126	126	130	134	115	108	118	134	153	159	152	165	172	165	153	134	128	133	134	131	131	133	137	1	14	15	179	8 01	105	74
20				132	126	127	127	127	126	114	105	104	106	111	117	134	153	155	150	134	123	124	130	133	132	132	127	127	0	14	20	160	8 33	101	59
21			✓	126	120	124	126	132	134	123	115	112	105	101	105	125	143	150	153	146	132	126	126	124	133	134	126	127	1	15	00	156	10 20	92	64
22			✓	126	131	134	130	133	127	115	113	123	133	140	144	156	164	168	163	145	131	126	130	130	129	133	132	136	1	14	37	172	7 00	110	62
23				133	129	128	132	134	134	117	113	112	115	131	144	154	164	171	154	136	127	123	124	124	125	128	128	132	0	14	30	174	9 05	106	68
24	✓			126	125	125	127	132	131	113	102	102	107	119	133	139	148	146	135	131	124	122	126	127	129	126	128	126	0	13	44	152	7 43	99	53
25				129	126	126	129	132	135	126	123	121	113	119	125	130	142	146	139	132	127	125	126	128	131	130	129	129	0	14	21	150	9 29	110	40
26				130	126	125	130	132	134	122	116	116	119	124	125	125	120	127	132	132	129	125	127	132	127	129	134	127	0	5	16	137	13 33	110	27
27				134	128	131	131	133	135	123	119	122	125	133	145	156	161	155	141	131	119	115	124	125	125	129	129	132	1	13	10	165	8 57	112	53
28	✓	✓		126	128	126	127	132	132	118	106	107	105	107	115	123	130	135	140	141	131	122	122	123	124	125	124	124	0	16	20	144	9 13	103	41
29	✓			124	125	125	127	132	135	134	127	125	133	134	140	144	153	150	144	136	125	122	127	126	126	125	125	132	0	13	53	156	18 33	120	36
30																																		
31																																		
MEANS ALL DAYS				126	125	123	124	127	128	115	110	113	117	124	132	141	151	154	148	139	130	125	127	129	129	128	127	129							60
MEANS TEN DAYS ✲				123	122	120	122	126	127	115	112	116	118	120	126	134	144	147	142	135	128	124	125	127	128	126	125	126							48
MEANS FIVE DAYS (G. M. T.) †				123	122	119	121	125	126	114	112	116	116	116	122	135	147	151	147	140	132	124 124	125 124	129	129	128	126	127							
MEANS FIVE DAYS (G. M. T.) ‡				128	128	128	129	131	131	111	106	112	119	131	139	150	161	165	157	144	131	126	127	127	129	129	127	132							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 31

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1936 — MARCH 1936

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			123	123	124	127	130	134	129	120	119	119	117	122	129	133	138	130	124	120	120	121	123	125	125	123	125	0	14	28	10	20	28
2	✓			121	121	120	122	124	125	116	109	106	106	117	124	132	146	152	144	(134	124)	122	124	125	125	124	122	124	0	14	37	9	10	54
3	✓	✓		121	120	118	118	122	124	123	114	112	116	124	126	126	125	132	132	126	123	122	123	125	125	125	125	123	0	14	53	8	23	26
4	✓	✓		124	122	120	119	123	124	120	111	110	107	111	117	123	125	128	125	115	111	120	124	125	127	127	125	120	0	15	00	9	30	27
5	✓			123	121	119	118	121	122	117	115	115	121	124	134	141	140	144	133	121	117	125	127	126	125	124	124	125	1	12	53	8	49	39
6				121	117	117	117	118	123	124	127	137	136	135	137	145	148	145	130	115	114	122	126	126	127	126	124	127	0	14	16	17	30	41
7	✓	✓		124	123	121	123	124	124	116	111	107	109	116	124	130	127	125	119	121	122	124	126	125	125	124	122	121	0	12	26	9	02	29
8				121	117	116	117	122	122	116	114	123	133	127	124	126	124	132	136	132	128	126	124	125	128	125	124	124	1	9	35	7	34	32
9				120	119	119	120	122	124	121	123	127	131	127	121	125	143	141	130	124	122	124	126	125	126	125	124	125	1	13	37	11	33	48
10				123	120	118	120	120	116	110	115	128	134	134	135	142	147	151	139	124	115	118	125	124	124	124	124	126	0	14	13	6	31	49
11	✓	✓		122	119	117	120	122	123	124	126	134	138	144	149	146	137	129	120	114	113	115	121	122	124	124	122	126	0	11	46	17	30	42
12	✓	✓		122	122	119	121	123	120	109	103	113	126	144	156	159	145	135	126	113	109	116	122	122	122	123	122	125	0	11	44	7	03	62
13				119	116	115	116	121	123	115	114	116	131	142	147	155	155	147	135	124	115	115	119	120	121	122	122	126	0	12	52	7	40	48
14				122	121	124	125	125	123	114	112	116	126	135	144	153	155	162	153	132	121	117	118	122	123	122	122	129	0	14	29	7	10	55
15				122	122	121	122	124	122	114	106	110	112	122	125	133	131	141	137	132	124	121	124	123	124	125	123	123	0	14	40	7	26	40
16				121	124	124	124	124	125	124	117	123	126	131	135	133	129	133	130	117	108	107	112	113	115	121	124	122	0	11	59	18	00	33
17				128	132	132	134	135	135	127	116	117	124	135	144	154	153	144	133	124	115	114	121	116	117	123	124	129	0	13	03	17	57	55
18				123	124	124	126	130	132	116	105	108	124	135	148	155	160	158	155	140	129	125	123	122	122	124	123	130	0	12	56	7	40	64
19				123	123	123	125	126	129	134	134	134	132	127	128	127	129	127	125	124	123	122	122	123	124	118	120	126	0	8	10	22	47	22
20			✓	118	123	122	125	126	123	111	98	94	101	106	113	115	121	125	134	133	129	122	124	128	126	129	126	120	1	15	53	9	03	53
21			✓	132	126	126	128	131	122	103	100	104	114	115	126	134	143	143	138	128	124	123	122	122	126	133	130	125	1	13	54	6	57	50
22				127	127	125	125	124	125	127	123	125	124	133	125	133	130	125	121	115	115	118	121	122	124	124	123	124	1	13	00	16	54	25
23			✓	119	124	125	126	127	128	125	126	127	137	146	151	146	141	132	121	115	115	121	119	121	125	125	126	128	1	11	32	17	10	47
24			✓	126	115	123	125	125	123	116	119	134	134	144	144	140	137	137	129	125	121	124	125	125	124	128	129	128	1	10	27	1	26	45
25			✓	127	127	127	127	126	124	123	118	123	125	137	150	148	146	135	121	111	112	117	121	124	126	126	128	127	1	11	40	17	08	48
26				129	124	131	131	127	125	125	126	134	146	147	145	150	152	144	130	112	112	115	120	120	122	123	124	130	1	13	51	17	16	45
27				126	126	125	126	125	127	123	117	127	137	142	152	151	157	159	147	133	127	122	122	123	123	124	122	132	1	13	41	7	50	48
28				123	125	124	125	124	118	116	117	121	123	129	139	147	149	144	138	127	123	119	119	122	122	117	118	126	0	13	20	6	00	38
29	✓			123	125	131	132	133	128	123	120	118	122	124	126	131	132	132	132	128	118	117	118	117	121	122	122	125	0	14	50	18	02	21
30	✓			122	124	126	127	129	130	126	122	119	120	123	121	124	114	103	106	124	124	122	119	122	122	121	120	121	0	5	04	15	03	32
31				122	125	125	125	127	130	131	130	132	130	129	125	130	130	126	121	115	112	112	117	121	121	121	117	124	0	13	04	18	00	26
MEANS ALL DAYS				123	122	123	124	125	125	120	116	120	125	130	134	138	139	138	131	123	119	120	122	123	124	124	123	125						41
MEANS TEN DAYS ✲				122	122	122	123	125	125	120	115	115	118	124	130	134	132	132	127	122	118	120	122	123	124	124	123	124						36
MEANS FIVE DAYS † (G. M. T.)				123	121	119	120	123	123	118	113	115	119	128	134	137	132	130	124	118	116	120 119	124 123	124	125	125	123	123						
MEANS FIVE DAYS ‡ (G. M. T.)				124	123	125	126	127	124	116	112	116	122	130	137	137	138	134	129	122	120	121	122	124	125	125	125	125						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 32

DECLINATION

APRIL 1936

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				115	114	115	116	116	116	115	114	115	126	123	118	126	134	122	126	125	123	124	123	123	121	121	121	120	1	13	28	12	00	37
2				116	116	120	121	122	124	121	119	120	125	130	130	141	144	141	135	130	123	122	122	120	119	118	117	125	0	13	39	0	40	37
3				117	116	121	122	122	123	125	124	120	123	125	122	116	125	130	134	132	134	132	130	125	124	121	117	124	0	15	32	8	06	25
4	✓			115	119	124	123	125	126	126	118	114	110	108	114	124	132	131	126	116	108	112	116	119	120	119	116	119	0	13	42	9	54	29
5	✓	✓		116	118	121	122	124	125	125	117	115	115	120	126	128	128	125	125	125	122	120	117	120	120	119	116	121	0	12	55	9	30	19
6	✓	✓		116	117	120	121	122	123	122	120	125	131	142	145	146	143	135	125	121	115	115	117	119	120	120	117	125	0	12	33	0	12	36
7				117	117	119	121	122	124	123	119	124	123	123	126	131	131	129	126	116	116	119	116	118	121	119	118	122	0	11	48	17	00	22
8				119	118	122	119	125	132	135	141	127	136	143	147	150	152	155	142	124	124	125	122	121	120	117	116	130	1	11	51	23	53	59
9	✓			116	116	116	116	121	124	131	131	135	137	141	140	145	152	145	141	132	123	119	117	115	116	116	115	128	0	13	13	24	00	42
10	✓	✓		114	114	116	120	124	129	131	131	134	141	144	151	153	158	157	144	124	114	114	115	116	116	117	115	129	0	13	30	17	50	50
11				115	113	114	115	116	116	105	106	113	118	123	133	142	145	140	124	117	116	117	118	118	120	118	118	120	0	13	37	6	47	47
12				118	119	119	121	122	117	104	104	115	125	133	136	141	126	119	115	116	122	117	117	120	123	123	123	121	0	12	11	7	04	47
13				121	122	124	124	124	123	125	123	130	131	135	137	136	135	132	126	123	115	117	115	115	118	121	118	125	1	12	11	17	34	32
14				120	120	122	124	125	124	122	121	123	134	144	147	153	156	154	140	131	126	122	119	119	120	120	121	129	0	14	03	21	05	46
15				120	121	125	121	126	134	134	126	134	133	136	132	124	131	137	135	132	121	115	114	117	123	124	125	127	1	6	04	19	04	32
16	✓			126	125	125	125	127	132	127	123	121	115	111	108	114	125	131	130	125	122	115	111	113	119	119	120	121	0	14	58	10	33	28
17				120	121	120	123	127	135	134	123	115	112	113	113	113	127	141	132	121	118	123	113	118	123	121	119	122	0	14	25	9	09	35
18			✓	110	115	123	125	134	141	150	151	154	147	146	135	131	130	124	119	120	121	119	119	125	124	123	124	130	1	8	12	0	59	54
19			✓	119	119	118	123	125	133	132	135	129	133	125	131	125	116	105	99	99	104	114	117	120	123	125	125	121	1	11	10	16	04	46
20			✓	124	124	126	129	134	141	143	145	146	142	141	152	139	128	124	118	119	120	123	122	125	125	121	124	131	1	11	27	16	30	46
21			✓	124	125	134	135	128	133	136	129	125	125	125	135	135	129	126	127	125	118	114	119	125	124	116	123	126	1	12	06	18	30	38
22			✓	126	130	126	126	131	142	143	141	146	142	130	125	132	121	114	116	117	120	117	114	122	125	124	119	127	1	8	57	19	08	44
23				114	117	123	127	133	130	122	129	136	143	135	140	134	131	129	134	132	130	122	119	119	122	124	121	128	1	9	08	0	33	37
24				124	120	125	130	129	126	124	120	125	121	125	130	138	133	133	133	124	120	115	112	116	118	120	119	124	0	12	38	19	07	35
25				121	123	124	125	126	126	124	125	126	135	141	146	150	146	145	135	125	125	120	118	117	120	123	119	129	0	11	56	20	04	38
26	✓	✓		120	121	122	123	122	121	117	117	118	121	125	130	136	139	134	130	124	118	116	116	116	117	117	117	122	0	13	37	7	23	27
27	✓			119	121	123	124	124	124	121	122	122	125	125	131	135	140	146	139	129	124	117	114	115	117	121	118	125	0	14	30	19	16	38
28	✓			122	124	124	124	124	123	115	111	107	112	110	115	119	126	136	140	134	125	120	118	117	119	118	117	121	0	15	10	10	13	39
29	✓	✓		116	116	115	115	121	124	126	129	124	117	113	116	124	125	126	124	112	112	115	113	114	115	115	116	118	0	7	27	17	00	24
30				115	116	123	126	125	129	127	118	111	108	106	120	129	140	144	145	134	123	122	120	120	119	117	116	123	0	15	11	10	07	46
31																																		
MEANS ALL DAYS				118	119	122	123	125	127	126	124	125	127	128	131	134	135	134	129	123	120	119	117	119	120	120	119	124						38
MEANS TEN DAYS ✻				118	119	121	121	123	125	124	122	122	122	124	128	132	137	137	132	124	118	116	115	116	118	118	117	123						33
MEANS FIVE DAYS † (G. M. T.)				116	117	119	120	123	124	124	123	123	125	129	134	137	139	135	130	121	116	118 / 116	117 / 116	118	119	119	117	123						
MEANS FIVE DAYS ‡ (G. M. T.)				121	123	125	128	130	138	141	140	140	138	133	136	132	125	119	116	116	117	117	118	123	124	121	123	127						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 33

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1936 — MAY 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			114	115	117	122	123	128	133	122	103	101	99	100	104	118	125	122	121	117	115	114	116	118	124	115	116	0	6 10	137	11 43	96	41
2	✓			116	116	116	123	125	129	126	121	111	101	105	112	114	115	126	127	120	118	116	114	115	118	117	115	117	0	14 50	131	9 33	99	32
3	✓			116	120	119	123	124	125	125	124	123	113	110	114	126	131	134	126	115	112	110	107	110	112	114	110	118	0	14 33	136	19 09	105	31
4				111	112	114	117	121	124	134	137	134	124	108	124	135	134	130	128	121	126	125	115	116	119	115	118	123	1	12 39	144	9 54	99	45
5				120	121	120	122	125	126	134	139	136	135	134	134	136	144	144	143	135	125	115	115	115	115	115	115	128	0	14 13	146	20 27	113	33
6	✓			115	115	115	117	120	124	132	127	121	117	124	133	143	145	142	134	124	119	115	113	113	115	116	115	123	0	12 49	150	20 00	111	39
7	✓	✓		115	117	117	116	116	120	129	132	126	127	128	135	145	142	135	125	119	115	113	110	112	113	115	114	122	0	12 20	148	19 30	108	40
8	✓	✓		114	113	113	116	116	121	124	131	131	133	144	154	153	141	140	133	121	114	111	110	112	115	116	116	125	0	11 30	156	19 30	107	49
9	✓	✓		115	115	115	115	116	121	125	127	124	123	133	143	143	129	123	121	120	119	111	110	112	116	116	115	121	0	12 10	147	19 00	107	40
10				115	116	117	117	114	114	117	109	112	111	114	116	119	111	112	106	104	104	104	105	110	113	118	118	112	1	12 24	132	14 58	97	35
11			✓	120	120	122	124	125	131	134	130	121	114	110	115	122	131	123	113	105	104	105	106	112	115	116	116	118	1	6 40	148	17 14	101	47
12			✓	115	121	124	125	118	126	134	129	127	124	124	136	143	139	130	119	105	103	105	110	113	119	117	115	122	1	11 53	150	16 56	96	54
13				117	119	119	121	124	130	130	129	124	117	116	115	115	114	115	121	123	118	111	109	112	115	116	115	119	0	5 37	133	19 00	105	28
14				115	116	119	120	122	125	134	127	131	123	118	121	122	124	132	135	134	124	116	112	113	119	118	115	122	0	15 24	139	20 13	109	30
15				118	119	121	119	118	125	129	135	132	120	115	122	124	123	125	121	121	116	113	114	114	111	115	117	120	0	7 23	139	21 24	107	32
16				115	116	121	125	127	132	138	144	131	114	114	129	127	129	132	130	123	115	114	114	113	113	114	116	123	1	6 58	153	10 08	106	47
17				119	120	115	125	128	134	144	143	129	114	114	126	135	134	124	116	115	113	106	106	113	115	113	111	121	0	6 30	148	18 36	103	45
18			✓	113	113	103	114	130	132	145	153	148	134	125	131	136	129	125	122	117	112	111	112	112	114	115	112	123	1	7 42	161	2 36	97	64
19			✓	108	106	116	120	125	135	152	150	134	115	106	107	115	126	115	112	113	120	115	113	114	116	114	113	119	1	7 32	160	10 39	95	65
20				114	116	119	123	117	125	139	138	133	125	122	113	122	122	115	119	120	120	112	110	114	116	116	115	120	1	7 00	143	19 07	106	37
21				116	112	110	116	122	126	136	143	141	129	122	118	117	114	114	114	115	116	113	112	114	116	118	118	120	0	7 06	146	2 00	107	39
22	✓			119	121	120	122	122	125	127	134	134	129	125	132	139	133	127	128	123	121	112	112	113	115	115	114	123	0	12 40	143	19 00	109	34
23	✓	✓		115	115	116	117	119	120	123	129	131	132	126	129	144	142	132	120	116	115	112	112	113	114	115	115	122	0	12 30	145	19 00	110	35
24	✓	✓		116	118	119	120	122	125	128	134	137	137	135	132	126	121	123	118	112	112	112	112	112	113	114	113	121	0	9 02	140	17 10	110	30
25				113	114	115	116	117	120	125	137	145	143	136	140	144	138	131	120	114	112	110	111	114	115	114	113	123	0	8 23	150	18 58	108	42
26				112	113	114	113	113	115	124	130	121	118	113	108	114	124	122	114	114	111	112	111	111	113	114	115	115	0	7 23	136	11 50	105	31
27				115	114	115	114	115	121	132	134	125	115	120	124	134	145	145	137	124	114	114	113	115	116	115	113	122	0	13 53	148	19 18	110	38
28				113	115	117	119	121	125	132	132	124	113	105	110	124	126	130	120	112	113	113	110	111	112	113	113	118	0	13 54	135	10 42	103	32
29			✓	111	112	113	113	112	112	126	126	115	105	109	112	123	123	132	127	121	120	113	113	114	115	115	115	117	1	7 06	151	9 24	99	52
30				115	115	114	115	121	129	143	147	142	124	114	105	106	102	103	101	104	99	100	106	110	113	115	116	115	1	7 57	150	18 15	96	54
31				117	117	118	121	123	126	135	128	122	114	112	115	129	134	130	128	122	112	107	107	109	111	112	113	119	0	6 44	140	19 20	105	35
MEANS ALL DAYS				115	116	117	119	121	125	132	133	128	121	119	123	128	128	127	123	118	115	112	111	113	115	115	115	120						41
MEANS TEN DAYS	✲			116	116	117	119	120	124	127	128	124	121	123	128	134	132	131	125	119	116	113	111	113	115	116	114	121						37
MEANS FIVE DAYS (G. M. T.)		†		115	116	116	117	118	121	126	131	130	130	133	139	142	135	131	123	118	115	113 / 112	111 / 111	113	114	115	115	122						
MEANS FIVE DAYS (G. M. T.)			‡	113	114	116	119	122	127	138	138	129	118	115	120	128	130	125	119	112	112	110	108	112	114	115	114	119						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 34

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1936.

JUNE 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	112	110	106	109	105	108	115	123	124	119	115	113	102	110	114	110	105	108	105	104	108	110	113	112	111	1	8	23	134	12 22	98	36
2			✓	112	112	116	124	122	130	142	143	140	131	134	134	135	125	118	113	116	116	119	114	114	114	114	112	123	1	12	07	153	0 40	110	43
3				110	109	112	113	115	123	140	143	141	134	134	132	131	127	120	112	107	105	104	104	105	110	112	112	119	0	7	20	145	19 18	102	43
4				112	112	114	115	120	124	125	126	114	109	102	106	124	136	134	127	114	112	108	105	108	111	112	112	116	0	13	43	141	10 00	99	42
5	✓	✓		113	114	112	110	112	115	120	123	119	112	114	122	130	142	144	129	119	113	110	109	110	110	111	110	118	0	14	10	150	18 50	106	44
6	✓	✓		109	110	110	112	113	115	122	123	120	116	120	128	128	125	112	102	100	104	105	104	104	106	107	107	113	0	12	00	131	16 20	98	33
7				107	108	108	109	111	110	111	112	107	100	94	99	112	121	118	99	99	105	106	107	110	113	113	112	108	0	14	00	124	10 40	91	33
8				112	111	114	115	116	122	126	130	125	114	107	125	130	119	115	113	106	110	113	104	104	105	111	113	115	0	7	05	135	19 50	102	33
9			✓	115	113	102	103	113	124	126	147	146	142	144	134	134	121	121	109	103	100	102	102	104	110	113	114	118	1	7	50	165	2 50	97	68
10			✓	115	115	117	121	121	122	123	136	132	128	123	134	136	141	133	122	112	102	104	102	105	108	111	113	120	1	7	55	145	17 20	100	45
11				113	114	115	118	121	120	122	131	130	132	130	134	142	144	142	133	124	114	105	104	107	108	112	113	122	0	13	10	148	19 20	102	46
12				111	114	114	115	120	122	122	119	116	116	117	121	124	125	122	112	105	105	103	103	106	108	108	113	114	0	13	15	127	19 19	101	26
13				111	114	116	118	119	123	134	140	141	133	130	121	121	119	104	104	102	100	101	101	103	104	110	113	116	0	7	30	144	17 20	97	47
14				111	110	112	115	121	124	136	148	141	128	126	125	120	123	116	111	105	103	103	106	107	112	114	112	118	0	7	11	152	17 08	101	51
15				114	113	118	121	116	120	141	143	140	132	123	128	116	112	104	108	111	110	105	105	106	111	114	112	118	0	7	07	145	18 46	103	42
16				110	110	109	109	109	124	134	136	144	132	119	112	114	123	132	129	115	103	103	102	106	112	113	113	117	0	8	32	151	18 53	100	51
17				112	114	112	113	116	117	123	130	124	115	109	102	104	108	113	118	114	114	111	106	110	112	112	111	113	0	7	50	134	11 51	98	36
18				111	111	112	114	117	123	130	125	114	102	95	98	102	114	123	120	105	95	98	103	102	103	110	98	109	1	6	36	132	23 03	91	41
19			✓	99	84	98	102	116	142	167	174	172	157	131	116	113	110	97	91	85	94	102	104	108	111	112	114	117	2	8	17	182	1 27	78	104
20				117	114	117	116	119	128	138	143	143	135	130	133	141	134	125	115	112	108	104	104	109	112	113	113	122	1	8	19	148	18 53	102	46
21	✓			112	113	113	115	118	120	127	134	132	123	110	104	114	119	114	110	110	114	111	107	109	112	113	113	115	0	7	29	136	11 20	102	34
22	✓			113	114	114	114	118	119	123	131	132	131	134	132	133	122	112	114	112	107	105	105	107	109	111	112	118	0	12	50	136	19 10	103	33
23	✓	✓		111	112	112	113	115	119	129	135	134	129	115	113	124	125	113	108	108	108	104	104	105	109	111	112	115	0	8	10	139	19 30	102	37
24				110	110	110	112	114	119	131	141	139	130	131	124	122	124	125	113	100	102	104	105	104	106	109	105	116	0	7	38	143	16 39	94	49
25	✓			108	109	110	112	113	114	123	129	122	115	110	103	103	104	105	103	105	104	103	103	104	106	108	110	109	0	7	41	131	12 00	101	30
26				110	111	108	108	109	113	120	125	131	138	134	136	123	118	113	107	99	103	106	109	113	115	115	114	116	0	11	20	144	16 40	95	49
27	✓			113	114	114	114	115	116	117	115	109	104	106	114	122	120	111	110	109	105	105	104	105	109	110	111	111	0	12	50	125	9 30	102	23
28	✓			111	112	114	114	115	118	121	126	122	119	120	118	114	111	113	113	104	102	102	102	103	104	108	109	112	0	7	25	129	17 20	100	29
29	✓	✓		110	111	112	112	114	115	117	114	107	104	102	102	114	122	123	120	113	109	104	104	106	108	111	111	111	0	14	10	125	11 10	100	25
30	✓	✓		110	111	113	115	117	122	125	126	113	102	95	101	116	114	106	105	104	101	102	102	104	105	109	110	110	0	7	10	130	11 00	93	37
31																																		
MEANS ALL DAYS				111	111	112	113	116	120	128	132	129	123	118	119	121	122	118	113	107	106	105	105	107	109	111	111	115							42
MEANS TEN DAYS ✻				111	112	112	113	115	117	122	126	121	116	113	114	120	120	115	111	108	107	105	104	106	108	110	110	113							32
MEANS FIVE DAYS † (G. M. T.)				111	112	112	112	114	117	123	124	119	113	109	113	122	126	120	113	109	107	106 105 105 105		107	108	111	111	113							
MEANS FIVE DAYS ‡ (G. M. T.)				111	107	108	112	115	125	135	145	143	135	129	126	124	121	117	109	104	104	106	104	105	108	112	110	117							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 35

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1936 — JULY 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				109	112	113	113	116	121	130	133	129	120	118	117	115	104	101	102	101	100	102	102	102	103	105	107	111	0	7	19	136	14 00	98	38
2			✓	113	115	114	102	99	106	104	114	112	121	118	119	142	143	133	124	115	113	116	118	120	117	113	112	117	1	13	05	146	4 17	92	54
3	✓			113	111	107	109	113	120	130	143	145	143	133	125	115	114	114	115	113	111	107	107	108	111	113	112	118	0	8	11	151	2 50	105	46
4				112	112	112	113	113	116	132	138	135	127	122	122	121	126	124	113	105	104	104	104	105	105	104	104	116	0	7	30	141	23 44	100	41
5				103	104	98	101	99	94	103	120	121	113	108	107	105	114	118	116	114	112	112	113	113	114	114	112	110	1	8	07	124	5 02	91	33
6			✓	106	106	109	110	114	113	127	129	135	121	105	96	104	106	105	104	100	101	99	104	110	112	115	115	110	1	7	07	153	11 12	93	60
7				114	114	114	115	114	113	124	143	133	117	110	106	109	112	109	104	100	96	103	103	104	108	112	112	112	0	7	40	146	17 30	94	52
8				113	113	112	113	116	118	118	123	125	124	116	111	109	112	110	113	112	105	104	104	106	107	110	111	113	0	9	00	131	19 00	102	29
9				112	112	113	114	115	115	116	121	121	116	108	104	111	122	117	110	105	103	106	104	106	109	112	111	112	0	13	47	124	17 10	101	23
10			✓	110	109	114	115	119	123	124	129	129	124	124	119	125	136	122	111	102	100	110	113	112	114	114	113	117	1	13	17	144	16 45	95	49
11			✓	114	114	114	112	105	113	126	134	133	134	129	122	112	107	112	108	102	99	103	102	101	102	106	110	113	1	9	13	149	17 20	96	53
12				112	113	114	118	119	121	124	125	120	115	111	114	127	138	126	113	99	98	98	101	101	104	104	104	113	1	13	12	142	16 20	95	47
13				109	111	111	111	111	111	121	130	118	106	104	104	103	100	107	104	103	105	104	105	105	107	109	110	109	1	7	22	134	13 20	91	43
14	✓	✓		110	108	109	110	113	118	129	134	134	136	140	139	132	123	120	115	113	106	106	105	105	106	107	108	118	0	10	35	143	20 12	103	40
15		✓		108	106	108	112	113	113	118	119	114	112	112	105	111	114	120	121	114	105	104	105	105	106	111	113	111	0	15	10	123	22 27	94	29
16				111	114	114	116	117	123	135	144	135	121	110	102	100	101	102	93	89	92	96	98	104	105	109	111	110	0	7	24	146	16 20	86	60
17				113	114	115	118	122	124	128	128	121	112	112	103	101	101	103	104	102	100	94	93	95	104	104	106	109	1	7	46	133	18 56	91	42
18				106	108	110	112	115	118	123	126	126	123	118	115	124	133	134	119	103	97	104	104	109	110	110	110	115	1	14	10	142	17 05	94	48
19	✓			109	105	106	109	111	114	121	124	118	100	94	103	118	124	114	112	111	107	106	105	105	106	108	107	110	0	7	29	127	9 50	91	36
20	✓			104	103	105	103	113	115	123	131	124	116	118	115	109	111	108	108	107	106	105	104	104	107	108	106	111	0	7	50	134	3 16	101	33
21	✓	✓		106	104	104	104	104	110	121	134	141	135	135	131	132	138	127	110	97	94	102	101	102	104	106	104	114	0	13	22	141	17 07	92	49
22	✓			104	105	106	107	107	108	108	113	117	121	119	124	132	133	134	144	135	114	104	104	104	105	106	107	115	0	15	50	149	19 00	102	47
23	✓	✓		107	109	110	110	110	113	123	123	123	122	116	105	105	103	96	102	104	103	104	103	104	105	107	106	109	0	6	40	125	14 30	94	31
24	✓	✓		105	106	106	109	112	115	121	129	126	119	121	124	132	139	135	123	115	104	101	100	101	103	104	105	115	0	13	50	143	19 30	98	45
25	✓			105	106	107	113	115	121	133	134	129	112	110	107	102	96	104	105	108	108	104	103	104	108	110	110	111	0	7	10	140	13 20	92	48
26	✓			109	111	112	113	114	117	123	124	119	103	103	111	117	126	121	112	105	103	103	103	104	105	106	108	111	0	13	40	128	9 59	100	28
27				109	109	112	114	119	120	123	123	114	100	96	91	102	104	109	117	112	102	102	102	103	103	103	104	108	0	7	27	128	11 20	88	40
28				110	111	112	114	117	120	133	133	122	113	109	112	113	113	121	123	117	109	102	101	102	103	104	105	113	0	6	23	139	19 20	99	40
29			✓	105	104	104	98	100	96	109	121	113	119	94	83	104	108	112	103	104	105	107	112	112	111	111	111	106	1	9	32	143	11 23	64	79
30				105	105	106	106	115	121	134	147	147	135	125	123	120	125	128	124	114	112	107	105	105	106	107	106	118	0	7	57	153	2 30	103	50
31				107	109	109	106	107	109	126	134	131	123	118	122	129	125	121	117	108	104	104	105	112	109	107	106	114	0	7	03	141	18 24	102	39
MEANS ALL DAYS				109	109	110	110	112	115	123	129	126	119	115	112	116	118	116	113	107	104	104	104	106	107	108	109	113							44
MEANS TEN DAYS ✲				107	107	107	109	111	115	123	129	128	121	119	118	119	121	117	115	111	106	104	104	104	106	108	107	113							40
MEANS FIVE DAYS † (G. M. T.)				107	107	107	109	110	114	122	128	128	125	125	121	122	123	120	114	109	102	105 103	104 103	104	106	107	107	114							
MEANS FIVE DAYS ‡ (G. M. T.)				110	110	111	107	107	110	118	125	124	124	114	108	117	120	117	110	105	104	107	107	107	109	110	110	112							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 36

DECLINATION

AUGUST 1936

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				104	101	103	108	113	120	134	142	135	121	110	100	101	109	114	112	108	110	107	104	104	108	106	104	112	0	7	30	145	1 20	95	50
2				103	102	104	108	112	119	132	139	134	128	130	127	128	122	117	111	104	99	95	97	101	103	104	105	114	0	7	30	141	18 00	93	48
3				104	104	105	110	112	113	117	120	114	103	99	99	100	101	106	112	111	103	101	101	101	103	104	102	106	0	7	32	122	11 50	95	27
4				104	105	106	109	112	117	131	135	131	120	112	110	110	110	115	121	110	101	98	97	101	102	103	104	111	0	7	33	139	19 00	95	44
5			✓	106	108	111	113	114	121	127	132	123	112	94	100	106	114	115	111	104	102	101	101	104	107	106	106	110	0	7	56	135	10 40	91	44
6			✓	109	104	106	111	113	119	127	130	126	120	118	124	120	113	112	115	109	102	102	102	103	104	106	107	113	0	7	30	134	1 40	100	34
7	✓	✓		107	107	108	110	112	113	113	108	102	98	93	96	109	114	111	113	115	104	101	100	102	103	105	105	106	0	16	15	120	10 26	91	29
8			✓	107	109	111	113	115	120	128	130	120	101	96	105	108	99	110	111	110	107	104	101	99	101	104	104	109	0	7	16	133	10 13	94	39
9				106	110	111	112	113	120	130	120	110	103	93	93	105	113	110	107	102	98	98	99	102	103	104	107	107	0	6	19	132	11 00	91	41
10			✓	109	111	111	104	111	116	126	129	112	108	111	114	121	116	112	109	103	101	101	103	103	104	107	107	110	0	7	23	145	17 41	99	46
11	✓	✓		107	106	106	109	110	110	107	101	93	91	90	101	110	121	124	123	114	106	102	102	102	103	104	105	106	0	14	54	126	10 10	85	41
12				106	108	109	110	112	112	115	112	103	98	91	89	98	99	99	105	102	101	100	100	101	103	102	104	103	0	6	47	118	11 20	86	32
13	✓			107	108	108	112	115	123	139	143	135	124	112	103	101	106	107	102	102	101	101	100	101	102	103	104	111	0	7	12	146	19 52	98	48
14				104	105	107	109	112	118	125	124	117	108	105	101	101	104	108	104	101	101	101	101	101	102	101	101	107	0	7	22	131	11 12	97	34
15				102	100	100	101	108	113	124	125	124	115	104	104	109	112	112	110	107	103	103	103	103	103	104	103	108	0	8	57	129	1 50	98	31
16				103	103	103	104	108	112	123	130	128	124	127	130	123	123	123	120	118	111	108	107	107	106	107	105	115	0	11	10	133	2 10	101	32
17	✓			103	104	103	107	111	115	125	121	108	95	93	95	95	106	119	122	116	103	102	102	102	102	103	102	106	0	6	30	129	10 19	91	38
18	✓	✓		102	103	103	104	110	115	121	114	101	91	91	91	90	99	110	113	114	109	102	101	101	102	102	103	104	0	6	27	123	11 53	86	37
19	✓	✓		102	103	104	105	110	113	118	110	99	94	95	97	102	107	109	114	110	104	103	102	102	102	103	102	105	0	6	45	122	9 46	92	30
20				102	102	103	104	105	109	118	121	118	113	105	104	103	111	116	118	114	111	107	105	104	103	103	102	108	0	7	10	124	12 27	101	23
21	✓			103	102	101	101	103	104	110	114	117	119	118	121	120	112	113	114	111	108	104	103	103	104	104	103	109	0	12	00	123	3 20	99	24
22	✓			103	102	103	103	108	112	123	128	123	115	112	115	122	121	112	103	101	101	102	102	102	102	102	103	109	0	7	33	131	16 10	99	32
23	✓	✓		103	102	102	102	104	109	114	111	104	98	95	102	109	108	103	102	99	95	100	101	101	102	102	102	103	0	7	00	118	10 30	93	25
24	✓			102	103	104	109	112	114	117	104	91	81	86	94	103	108	117	121	117	109	102	101	101	101	102	102	104	0	15	30	123	9 50	75	48
25				103	102	103	105	110	111	110	104	98	99	105	113	122	134	136	129	112	101	97	99	101	101	102	103	108	1	13	54	148	9 02	95	53
26				103	103	104	106	109	111	111	103	93	85	77	85	94	103	108	(108)	102	94	99	97	101	102	103	103	100	0	6	20	113	10 02	74	39
27				103	103	104	107	109	118	119	112	103	93	88	100	115	124	121	119	115	106	104	103	102	103	103	101	107	0	13	35	129	10 05	84	45
28				102	102	103	103	112	115	122	122	121	114	111	121	129	124	119	111	109	105	103	103	102	102	103	102	111	0	12	51	132	0 00	100	32
29				102	102	103	104	108	112	119	114	109	103	100	105	123	123	115	111	105	100	103	102	100	101	102	101	107	0	13	05	126	17 20	97	29
30			✓	105	108	107	109	112	119	131	131	122	108	91	92	100	94	102	103	104	101	96	95	99	100	100	100	105	1	6	53	133	11 26	89	44
31				104	105	107	112	117	122	120	109	95	88	83	82	90	101	102	113	114	104	103	103	102	103	104	104	104	0	5	42	124	11 03	80	44
MEANS ALL DAYS				104	104	105	107	111	115	122	121	113	105	101	104	109	111	113	112	108	103	102	101	102	103	103	103	108							38
MEANS TEN DAYS ✱				104	104	104	106	110	113	119	115	107	101	98	102	106	110	112	113	110	104	102	101	102	102	103	103	106							35
MEANS FIVE DAYS † (G. M. T.)				104	104	105	106	109	112	115	109	100	94	93	97	104	110	111	113	110	104	102 102	102 101	102	103	104	104	105							
MEANS FIVE DAYS ‡ (G. M. T.)				107	108	109	110	113	119	128	130	121	110	102	107	111	107	110	110	106	103	101	100	102	103	104	105	109							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

⌈ ⌉ = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 37

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1936 — SEPTEMBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			105	105	108	110	113	119	123	119	110	95	88	91	102	112	115	113	108	101	102	102	102	102	103	104	106	0	6	31	10	31	85	40
2				103	105	107	111	113	119	125	123	116	97	86	82	85	91	92	98	104	103	103	102	102	102	103	104	103	0	6	40	11	50	80	51
3	✓	✓		103	103	104	107	112	121	131	131	135	134	123	115	125	121	101	93	95	97	101	100	99	100	101	101	111	0	9	08	15	32	91	46
4				97	100	103	110	114	119	121	121	121	114	112	104	103	106	106	100	90	89	99	101	102	104	104	104	106	0	7	44	17	10	84	40
5				102	102	104	106	109	106	104	112	120	125	131	124	115	110	102	101	102	101	101	100	100	100	103	104	108	0	10	30	19	20	98	35
6	✓			107	108	108	110	112	113	113	110	107	108	114	114	120	127	129	120	113	103	100	101	102	102	103	103	110	0	13	57	18	40	98	34
7	✓	✓		103	104	105	107	110	112	113	119	125	125	123	121	123	125	123	111	101	97	98	99	100	101	101	102	110	0	8	53	18	10	93	36
8				102	102	102	103	107	109	110	109	108	107	110	114	124	135	(127 | 120)	110	102	102	103	103	103	103	102	109	0	13	52	23	10	100	41
9				103	102	100	103	102	103	107	110	105	93	82	82	99	120	117	120	111	102	102	103	102	102	103	102	103	0	13	56	11	30	79	44
10				104	104	105	109	110	111	112	109	94	83	78	82	102	123	123	112	108	102	101	100	100	101	102	102	103	0	13	50	10	29	74	57
11			✓	100	100	104	106	111	113	122	123	114	108	104	101	101	123	131	120	111	104	105	103	103	103	100	100	109	1	14	20	12	04	91	45
12				101	102	102	104	104	105	113	111	112	114	112	103	108	111	115	121	121	114	110	104	103	103	103	103	108	0	15	50	0	07	100	23
13	✓	✓		103	103	103	106	111	117	130	137	141	140	133	133	139	136	129	118	107	103	103	102	102	103	102	102	117	0	8	22	17	10	101	42
14	✓			101	100	101	103	107	111	115	120	115	113	109	112	123	126	129	127	112	103	102	102	102	102	101	102	110	0	15	20	1	20	99	32
15				103	102	103	105	107	107	100	93	92	94	94	104	124	130	121	116	111	103	102	102	102	102	102	103	105	0	13	00	8	24	90	43
16	✓	✓		103	103	105	110	112	113	111	108	109	108	117	131	143	142	133	122	108	103	102	101	101	101	102	102	112	0	12	40	21	20	100	49
17				103	103	104	109	110	109	103	105	105	111	122	127	135	136	124	113	111	107	102	102	102	103	103	103	110	1	12	57	19	47	100	41
18				102	101	103	103	104	105	101	105	116	123	134	149	145	133	118	105	101	102	101	101	101	101	101	101	111	1	11	44	6	14	99	54
19	✓			101	99	100	102	104	108	104	105	109	114	129	139	151	149	134	114	99	94	95	99	101	102	103	103	111	0	13	00	17	10	92	62
20	✓			102	101	102	103	103	103	95	93	89	83	91	103	119	125	123	115	106	101	99	100	101	101	102	102	103	0	13	40	9	30	81	47
21				101	98	97	100	103	105	106	108	110	110	113	112	121	123	117	113	106	95	101	102	103	102	102	102	106	0	13	00	17	40	93	34
22				101	98	101	102	103	106	107	104	101	95	101	105	111	109	105	102	98	100	100	99	98	98	96	98	102	1	12	45	9	56	93	21
23			✓	98	93	100	106	112	112	121	122	121	114	119	132	141	141	135	127	110	98	98	101	101	102	103	101	113	0	12	16	2	50	90	53
24	✓			100	101	103	108	111	110	102	93	83	83	93	100	110	125	131	122	112	103	101	101	102	102	103	102	104	0	14	10	9	34	81	52
25		✓		103	101	101	105	108	111	111	111	111	104	104	111	113	120	123	115	103	99	95	93	95	100	101	94	106	0	14	24	19	34	92	33
26			✓	97	101	101	105	103	101	98	104	112	102	104	110	128	126	128	123	113	99	102	103	103	103	103	103	107	1	14	51	9	15	93	40
27			✓	103	102	103	102	100	98	93	92	91	92	99	109	122	130	131	127	115	103	100	100	102	102	100	101	105	1	14	24	8	57	84	49
28				100	102	103	105	110	110	110	101	104	111	121	125	114	110	100	95	92	91	93	96	95	94	102	107	104	0	11	09	17	12	89	41
29			✓	104	105	110	112	112	104	98	101	107	113	129	127	153	144	131	122	112	101	99	101	101	102	102	103	112	1	12	57	6	44	94	66
30				103	103	103	103	104	103	102	108	108	95	93	102	111	110	104	102	101	97	(98)	101	101	101	102	103	102	0	12	20	10	02	91	22
31																																			
MEANS ALL DAYS				102	102	103	106	108	109	110	110	110	107	109	112	120	124	120	114	106	101	101	101	101	101	102	102	108							42
MEANS TEN DAYS ✲				103	103	104	107	110	113	114	114	112	110	112	116	126	129	125	116	106	100	100	101	101	102	102	102	109							44
MEANS FIVE DAYS (G. M. T.) †				103	103	104	107	111	115	119	121	124	122	120	122	129	129	122	112	103	100	103 100	102 99	102	102	103	103	112							
MEANS FIVE DAYS (G. M. T.) ‡				100	100	104	106	108	106	106	108	109	106	111	116	129	133	131	124	112	101	101	98	98	99	101	101	109							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Ⓧ = NO RECORD

TABLE 38

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1936 — OCTOBER 1936

DAY	✲	+	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			104	105	104	106	109	104	103	109	114	112	113	129	140	127	112	107	103	100	99	101	101	102	102	103	109	0	12	39	18	20	96	47
2	✓	✓		101	101	102	102	103	98	91	93	97	102	109	119	129	131	131	122	110	102	100	103	103	102	101	101	106	0	13	28	6	53	87	46
3	✓	✓		100	97	100	101	101	94	91	93	100	108	127	149	161	152	142	129	113	104	102	103	103	103	103	102	112	0	12	17	7	00	89	75
4	✓			99	100	99	102	102	102	96	93	93	102	115	126	128	123	121	109	101	99	98	101	102	101	101	100	105	0	11	55	7	53	91	40
5				99	96	96	96	102	105	101	94	95	102	116	121	117	113	108	106	106	104	104	111	111	109	106	104	105	0	11	19	8	02	91	32
6				102	102	103	103	104	103	103	115	128	133	141	144	145	132	125	115	101	98	102	106	106	107	106	104	114	0	12	07	17	27	96	56
7				100	101	99	95	94	94	95	105	123	132	143	153	150	133	128	112	95	96	102	106	105	107	104	104	112	0	11	56	3	50	92	68
8				101	99	97	100	100	93	83	83	91	94	101	114	122	130	125	109	99	96	97	102	102	102	102	100	102	0	13	50	7	10	76	57
9				100	99	100	95	101	102	91	92	106	114	131	131	135	142	126	114	102	93	101	103	105	103	101	99	108	1	13	09	7	10	82	65
10			✓	104	99	98	98	99	97	89	94	107	116	123	124	129	123	124	112	102	102	102	102	101	102	102	101	106	1	12	30	6	40	85	48
11				98	95	96	99	101	100	96	102	112	119	127	135	132	142	145	133	117	102	95	102	104	104	104	103	111	1	14	06	1	23	93	57
12	✓			99	99	100	101	103	102	92	92	101	106	112	117	120	126	132	123	111	102	97	101	103	103	102	99	106	0	14	30	6	57	99	45
13				100	99	98	101	102	99	94	102	110	120	134	151	147	146	143	132	110	100	96	102	102	102	101	98	112	0	11	30	6	21	92	62
14				96	100	99	98	99	97	93	94	98	105	114	123	120	126	126	115	107	102	101	103	103	104	101	103	105	0	11	10	6	43	91	42
15				101	100	100	102	105	104	93	99	104	109	120	130	131	126	115	105	101	95	94	104	103	103	102	99	106	0	12	04	6	40	91	45
16			✓	96	95	97	101	103	104	102	111	117	123	132	137	136	140	132	114	123	122	113	114	121	117	111	104	115	1	11	32	1	30	93	56
17			✓	94	88	81	84	91	84	93	124	132	142	159	161	151	139	131	111	99	102	104	110	110	107	104	102	113	1	10	59	2	20	74	90
18				101	96	103	103	107	107	99	95	105	128	150	158	154	144	135	123	107	101	97	103	103	102	102	101	114	0	11	30	7	07	93	68
19				101	101	101	103	105	106	102	109	123	140	162	164	156	151	144	130	110	102	101	102	103	107	104	104	118	1	11	40	18	09	99	72
20				103	103	101	103	103	101	92	92	96	120	143	144	142	133	114	102	93	93	96	102	104	104	103	102	108	0	10	58	7	57	88	61
21	✓			102	104	105	105	109	105	94	94	105	121	134	142	142	142	133	112	100	99	98	102	103	103	103	102	111	0	13	00	6	40	92	52
22	✓	✓		101	97	97	99	101	97	84	84	95	107	124	139	145	141	130	121	113	104	94	102	103	103	102	100	108	0	12	15	6	47	82	66
23				98	98	100	100	101	96	85	88	92	102	114	123	124	130	118	104	102	99	100	105	106	105	104	102	104	0	13	20	6	54	83	50
24			✓	101	99	96	96	98	93	93	100	109	125	154	159	153	125	114	115	106	103	106	112	111	107	104	102	112	1	12	06	5	50	88	96
25				98	97	99	100	103	105	94	92	93	93	93	103	104	105	103	93	91	93	96	101	103	103	103	102	99	1	5	30	10	31	85	26
26				102	102	103	103	104	104	90	87	94	104	114	124	126	132	125	115	113	107	100	105	104	104	102	101	107	0	13	03	7	07	85	51
27	✓	✓		100	100	100	102	103	101	93	97	104	115	122	126	133	141	131	114	103	95	94	102	104	102	101	100	108	0	13	29	18	10	92	51
28	✓	✓		95	96	98	101	101	94	78	75	80	90	101	109	111	119	122	113	109	101	94	102	103	104	103	101	100	0	14	05	7	09	73	51
29	✓			95	93	93	96	102	101	94	102	112	124	130	131	135	139	128	111	101	94	93	102	103	102	99	95	107	0	13	18	18	18	91	52
30				95	96	98	100	102	94	89	100	109	114	119	126	133	124	117	103	89	86	92	102	104	101	96	99	104	0	12	07	17	00	84	54
31			✓	93	82	84	102	101	93	73	94	104	115	128	140	137	141	132	112	101	103	104	106	106	105	103	102	107	1	11	07	6	10	70	81
MEANS ALL DAYS				99	98	98	100	102	99	92	97	105	114	126	134	135	133	126	114	104	100	99	104	105	104	103	101	108							57
MEANS TEN DAYS ✲				100	99	100	102	103	100	92	93	100	109	119	129	134	134	128	116	106	100	97	102	103	102	102	100	107							52
MEANS FIVE DAYS + (G. M. T.)				99	98	99	101	102	97	87	88	95	104	117	128	136	137	131	120	110	101	98 97	103 102	103	103	102	101	107							
MEANS FIVE DAYS ‡ (G. M. T.)				98	93	92	97	98	94	90	105	114	124	139	144	141	134	127	113	106	106	106	106	108	106	103	101	110							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
+ = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 39

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1936

NOVEMBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			101	98	101	104	106	101	85	91	103	118	135	146	154	159	154	131	113	105	102	105	105	104	103	101	114	0	14	17	162	6 20	83	79
2				100	101	100	101	104	102	85	86	93	99	107	122	127	133	129	114	104	102	100	109	112	111	105	100	106	1	13	45	138	6 40	83	55
3			✓	93	91	87	93	103	107	92	99	110	124	136	152	153	150	134	115	102	103	107	116	118	117	113	111	114	1	11	40	159	2 50	84	75
4				100	101	100	100	104	98	93	104	124	147	164	174	180	170	155	140	125	114	104	110	112	112	103	102	122	0	12	10	182	6 07	90	92
5				98	96	94	93	94	94	85	84	90	103	123	141	141	137	134	125	107	95	96	104	109	110	103	102	107	0	11	33	147	7 20	81	66
6				97	95	94	94	94	97	94	101	112	121	133	143	132	124	114	105	101	96	94	103	105	105	103	102	107	0	11	20	154	2 50	92	62
7				99	100	98	101	102	95	83	78	92	111	124	134	143	144	144	126	105	96	101	105	110	108	104	103	109	0	12	20	151	7 17	74	77
8				101	98	96	98	99	95	86	86	93	103	104	105	113	108	112	104	103	102	102	112	113	114	106	103	102	0	21	20	122	6 30	84	38
9				102	103	101	102	103	103	102	113	119	124	133	133	132	129	121	113	101	95	99	103	105	103	95	92	109	1	11	06	142	23 55	90	52
10				91	90	90	96	101	93	82	86	95	109	121	126	131	123	122	106	94	93	100	105	103	104	104	103	103	1	12	05	151	6 28	79	72
11			✓	100	93	97	95	103	101	92	99	114	126	122	125	134	127	123	117	112	102	111	121	120	117	114	111	112	1	12	07	142	6 56	86	56
12				110	104	103	103	102	96	89	101	121	131	134	123	113	106	110	101	89	88	94	104	105	105	105	103	106	0	10	40	139	6 30	86	53
13	✓	✓		97	94	94	96	98	93	84	95	113	131	132	128	121	112	113	104	93	92	90	96	102	104	104	103	104	0	9	52	134	6 20	82	52
14	✓			96	94	93	94	94	94	89	103	123	134	138	143	134	126	120	102	94	92	93	103	104	104	103	102	107	0	11	10	145	6 10	84	61
15			✓	93	91	86	91	98	97	89	93	105	113	109	128	143	145	144	133	112	103	97	110	109	103	99	94	108	1	14	10	150	3 03	84	66
16			✓	87	91	91	94	99	92	83	90	98	106	122	131	146	143	129	115	106	101	99	105	106	105	102	102	106	1	12	27	151	6 25	80	71
17				102	98	102	96	101	93	82	85	104	125	140	144	134	123	114	103	95	94	91	102	103	104	102	102	106	0	11	23	160	6 30	79	81
18				100	97	89	92	97	94	77	81	94	115	125	132	131	124	122	111	100	91	89	100	105	105	104	101	103	0	11	46	135	6 40	74	61
19				102	102	100	96	102	93	75	79	90	101	114	124	125	124	117	103	92	89	93	103	104	103	101	95	101	0	12	13	132	7 00	73	59
20	✓			93	92	94	94	94	89	76	86	103	114	119	122	122	111	106	99	92	93	95	101	102	103	103	102	100	0	11	14	125	6 40	74	51
21	✓			101	96	92	91	93	93	95	103	124	135	140	140	133	125	116	101	90	89	91	95	98	101	101	101	106	0	11	47	143	16 40	86	57
22	✓	✓		99	96	96	94	94	93	92	93	101	111	125	126	121	113	103	98	96	96	99	101	102	101	96	94	102	0	10	40	131	6 30	90	41
23	✓	✓		94	94	93	93	93	91	90	104	121	133	139	136	131	122	104	92	85	86	94	101	102	102	100	96	104	0	10	37	143	16 30	83	60
24	✓	✓		94	95	93	92	92	88	83	93	109	120	124	124	115	106	105	94	86	93	97	102	103	103	102	100	101	0	10	30	129	6 10	80	49
25	✓	✓		94	94	93	93	92	75	64	81	104	124	134	144	144	141	133	116	100	92	92	97	103	103	103	102	105	0	12	08	148	6 20	62	86
26				102	96	95	94	94	82	71	88	113	136	155	144	136	136	113	97	93	90	95	104	104	103	101	97	106	1	11	00	165	6 20	68	97
27	✓			94	93	94	94	94	86	77	94	117	133	144	155	147	129	112	103	100	92	92	101	102	102	98	94	106	0	11	54	163	6 20	74	89
28				95	93	91	91	90	77	64	74	92	106	114	124	124	121	111	95	87	85	91	109	116	117	110	89	99	0	11	47	131	6 30	62	69
29			✓	76	69	62	60	69	61	67	86	123	151	171	172	162	145	128	115	96	92	95	106	112	114	112	109	106	2	10	48	181	3 02	44	137
30				104	100	95	94	93	82	66	82	107	133	154	161	154	146	131	108	96	91	92	101	104	101	101	100	108	0	11	25	167	6 30	64	103
31																																		
MEANS ALL DAYS				97	95	94	94	97	92	83	91	107	121	131	137	136	130	122	110	99	95	96	104	107	106	103	101	106							69
MEANS TEN DAYS ✲				96	95	94	94	95	90	84	94	112	125	133	136	132	124	117	104	95	93	94	100	102	103	101	100	105							62
MEANS FIVE DAYS † (G. M. T.)				96	95	94	94	94	88	83	93	110	124	131	132	126	119	112	101	92	92	95 94	101 99	102	102	101	99	103							
MEANS FIVE DAYS ‡ (G. M. T.)				90	87	85	87	94	92	85	93	110	124	132	142	148	142	132	119	106	100	102	107	109	108	104	98	108							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
☐ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 40

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1936 — DECEMBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				97	96	92	91	93	85	77	99	115	121	128	133	121	109	104	104	94	84	87	97	103	103	102	99	101	0	11 02	136	6 14	74	62
2				96	93	92	92	93	91	90	104	124	144	173	182	165	150	136	126	113	102	91	97	105	109	104	102	116	0	11 14	185	6 10	85	100
3				102	96	93	93	92	90	82	93	112	128	142	148	156	145	132	123	106	97	95	103	105	105	103	96	110	0	12 39	162	6 16	80	82
4			✓	91	95	95	101	94	90	76	76	89	100	125	126	143	133	115	107	97	95	93	98	103	106	107	108	103	1	10 52	150	7 10	73	77
5				106	100	98	99	100	90	79	86	101	116	134	145	145	123	110	105	97	93	93	99	106	107	105	105	106	0	11 55	154	6 20	77	77
6				99	98	98	98	103	104	96	100	113	125	134	143	149	136	116	103	93	91	88	99	103	104	104	103	108	0	11 56	153	18 32	86	67
7				102	99	99	98	98	98	94	106	126	135	134	137	123	118	104	89	90	90	94	104	108	108	105	101	107	0	10 54	144	15 38	87	57
8				101	98	98	98	97	97	90	97	107	117	127	139	138	135	125	116	106	94	89	96	98	98	99	99	107	0	13 02	146	18 00	86	60
9	✓	✓		98	97	98	98	97	94	78	88	96	106	107	128	138	131	111	98	86	81	85	93	94	95	96	98	100	0	12 23	143	6 28	76	67
10	✓	✓		96	98	96	96	97	96	88	96	105	116	131	146	142	139	132	119	101	88	89	96	98	98	97	96	106	0	11 30	150	17 30	86	64
11	✓			95	95	95	97	96	95	86	95	106	115	111	114	115	117	117	108	96	88	93	102	104	102	101	97	102	0	13 40	119	6 30	84	35
12			✓	95	88	89	88	87	81	71	84	95	96	109	114	108	103	101	97	87	87	97	105	106	104	96	94	95	1	11 19	122	6 20	68	54
13			✓	94	90	94	96	93	88	86	106	126	131	142	147	131	122	97	77	75	80	87	100	104	106	106	106	104	1	11 20	153	16 10	73	80
14				103	97	96	97	96	91	73	80	103	116	136	134	132	136	136	120	100	91	94	98	98	98	98	98	105	0	10 53	146	6 40	70	76
15				95	95	95	95	94	92	86	101	121	119	133	137	124	110	88	83	85	93	96	105	106	104	103	100	102	0	11 10	142	15 13	81	61
16	✓			97	94	92	92	89	86	85	96	115	127	136	137	137	133	123	100	84	83	92	101	104	103	101	99	104	0	10 55	142	17 07	78	64
17	✓			96	95	94	95	94	90	86	103	123	135	140	147	136	122	110	103	100	100	96	98	97	98	97	97	106	0	11 21	155	6 20	83	72
18	✓			95	92	88	91	94	86	75	84	104	123	138	146	151	147	134	121	114	100	96	100	98	95	95	94	107	0	12 40	154	6 36	72	82
19	✓	✓		92	91	92	94	96	95	89	105	124	143	162	157	143	126	117	124	110	102	94	98	101	96	95	92	110	0	10 54	166	6 20	86	80
20				86	86	87	88	94	93	84	95	115	130	147	153	145	125	98	94	93	103	100	104	105	106	106	101	106	0	11 03	156	6 14	81	75
21				98	96	95	93	93	85	70	72	87	113	138	147	141	132	130	118	108	106	96	96	98	104	105	103	105	0	12 41	154	6 40	66	88
22	✓	✓		101	98	98	98	99	95	82	84	93	106	120	124	117	106	106	110	106	102	95	95	97	98	100	98	101	0	10 50	126	6 40	78	48
23	✓			96	95	93	95	95	95	87	96	107	119	135	136	128	115	96	85	77	85	91	98	104	105	106	105	102	0	11 20	141	16 26	75	66
24	✓	✓		98	97	96	96	97	89	76	78	95	102	116	127	135	142	125	98	87	88	93	95	96	96	94	93	100	0	13 18	146	6 40	74	72
25				91	90	91	91	94	93	81	92	103	106	115	118	108	99	84	74	71	77	88	97	103	104	102	97	95	0	11 34	123	16 10	68	55
26				96	95	94	93	90	84	74	81	97	116	119	126	134	105	76	57	64	77	89	96	98	100	96	94	94	0	12 23	137	15 49	54	83
27			✓	86	82	77	83	83	76	68	88	114	133	157	165	155	132	111	95	94	92	96	105	114	112	110	105	106	1	12 07	172	6 13	65	107
28			✓	98	86	86	85	78	74	81	105	135	154	169	197	169	149	128	96	87	95	96	105	105	104	103	97	112	1	11 31	206	6 03	62	144
29				94	92	93	96	98	88	72	93	126	158	184	194	174	152	136	116	102	95	91	97	105	106	105	101	115	0	11 32	199	6 27	67	132
30				98	95	89	86	90	86	74	94	118	141	161	174	170	134	96	56	65	77	84	101	105	104	101	96	104	0	12 15	183	15 37	48	135
31				95	93	87	86	93	91	75	88	95	115	145	157	142	124	105	95	98	94	86	95	98	100	101	99	102	0	11 29	162	6 24	72	90
MEANS ALL DAYS				96	94	93	94	94	90	81	92	109	123	137	144	139	127	113	101	93	91	92	99	102	103	101	99	105						78
MEANS TEN DAYS ✲				96	95	94	95	95	92	83	92	107	119	130	136	134	128	117	107	96	92	92	98	99	99	98	97	104						65
MEANS FIVE DAYS † (G. M. T.)				97	96	96	96	97	94	83	90	103	115	127	136	135	129	118	110	98	92	91 91	97 95	98	99	100	100	104						
MEANS FIVE DAYS ‡ (G. M. T.)				93	88	88	91	87	82	76	92	112	123	140	148	141	128	110	94	88	90	96	102	105	105	101	97	103						

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▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 41

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1936 — JANUARY 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			582	584	586	586	584	581	581	604	662	(747	810	843)	816	759	700	637	598	588	589	590	588	588	588	588	641	0	11 46	854	6 34	577	277
2	✓			588	588	586	586	585	581	575	593	640	712	756	769	755	699	650	616	602	586	587	589	590	591	590	589	625	0	10 52	790	6 26	571	219
3	✓	✓		589	589	590	592	590	588	585	591	633	688	742	778	764	750	680	624	601	595	592	591	593	593	593	589	631	0	12 22	791	7 09	581	210
4	✓	✓		569	589	588	587	586	585	576	566	575	599	636	664	670	671	625	614	613	602	595	592	592	593	594	593	604	0	13 14	693	7 46	563	130
5	✓			592	591	592	591	592	600	614	634	660	674	663	648	638	643	646	643	631	616	602	597	595	599	600	603	619	0	9 27	678	2 11	586	92
6	✓	✓		604	602	599	599	599	604	608	612	635	653	657	641	612	603	620	623	624	620	612	608	606	605	604	601	615	0	10 32	672	13 17	581	91
7	✓	✓		596	597	599	599	600	608	622	644	673	684	673	657	636	631	634	638	644	639	623	613	609	609	618	627	628	0	9 11	687	0 01	593	94
8			✓	624	600	595	605	604	609	613	639	640	608	610	575	611	588	610	601	597	591	582	581	581	579	580	579	600	1	8 44	653	11 18	543	110
9				574	575	578	585	562	584	596	618	657	698	700	693	667	613	595	568	571	583	588	580	583	582	579	578	605	0	10 02	738	15 57	561	177
10				582	576	582	584	577	584	597	613	611	658	675	690	675	642	579	556	581	588	586	582	582	579	581	584	602	1	11 13	718	15 03	535	183
11				582	583	581	574	582	581	591	610	679	711	745	750	699	637	600	580	587	593	589	594	583	581	593	593	617	0	11 13	770	3 40	571	199
12				585	590	589	591	587	583	593	601	642	689	736	727	713	686	647	595	569	576	586	588	586	580	578	583	617	0	10 45	768	16 25	560	208
13				579	573	572	577	584	589	599	638	667	714	706	700	668	632	610	566	571	580	584	578	568	570	572	575	607	1	9 55	761	15 40	556	205
14				578	581	583	584	586	590	582	600	649	696	743	771	746	698	657	626	602	589	584	580	580	582	580	584	623	0	11 23	789	1 00	575	214
15	✓			579	576	574	565	581	583	585	611	662	698	719	701	677	647	618	605	602	597	592	593	591	591	591	591	615	0	10 39	738	2 22	573	165
16	✓	✓		590	590	590	587	589	595	597	605	635	662	675	677	668	641	623	606	607	596	581	588	585	581	583	576	609	0	12 09	692	23 56	572	120
17	✓			574	581	587	583	565	585	584	597	639	689	727	731	720	690	664	641	622	601	593	610	605	602	585	578	624	0	11 31	736	24 00	570	166
18			✓	565	576	573	574	579	579	584	574	593	629	638	704	651	652	584	576	579	576	565	579	578	578	576	574	593	1	11 18	747	7 29	553	194
19				575	579	580	584	585	589	595	612	648	692	692	709	643	625	601	562	568	584	589	585	576	579	580	580	605	1	11 43	736	15 07	550	186
20				579	576	576	576	576	579	588	605	639	666	687	678	677	654	629	588	576	569	579	574	572	578	581	576	603	0	10 17	698	17 37	566	132
21				579	582	583	584	587	589	591	601	639	676	666	689	685	648	629	598	572	577	565	553	551	554	556	559	601	1	9 51	724	20 39	549	175
22				563	569	571	577	579	577	590	621	656	696	713	701	660	624	593	574	573	572	561	564	570	570	563	566	600	0	10 38	738	23 17	557	181
23				584	587	580	581	586	589	608	645	689	718	749	734	700	662	624	606	603	608	600	579	557	559	571	574	621	0	10 17	760	20 12	554	206
24			✓	574	577	581	581	585	598	617	640	672	710	722	723	706	610	542	462	493	471	499	501	519	529	533	550	583	1	11 53	803	15 38	436	367
25			✓	543	544	549	549	545	556	569	600	651	668	656	692	666	648	624	591	577	574	562	537	533	540	545	543	586	1	11 05	723	20 30	529	194
26			✓	550	556	562	559	554	564	579	590	662	698	756	691	664	640	625	626	575	562	570	572	568	570	568	562	601	1	10 13	780	0 00	545	235
27				571	572	569	570	567	568	574	587	624	669	712	744	736	715	656	609	579	568	575	574	572	565	574	560	609	0	11 38	754	23 17	558	196
28				560	568	562	563	566	569	580	606	645	686	721	719	709	658	635	584	582	588	585	582	581	579	578	579	608	1	10 15	744	0 40	554	190
29				581	580	578	577	578	576	581	599	652	710	764	778	754	689	662	595	583	581	570	574	577	576	576	577	620	0	10 44	795	18 27	565	230
30				568	572	576	580	580	578	568	556	589	650	694	735	724	707	680	636	608	581	561	565	559	570	572	572	608	0	11 27	752	7 27	546	206
31				572	573	571	570	574	572	572	587	642	701	741	762	751	727	661	625	594	579	584	574	578	578	578	576	618	0	11 30	786	3 10	567	219
MEANS ALL DAYS				579	580	580	581	582	584	590	606	644	682	706	712	693	661	629	599	590	585	582	580	578	578	579	579	611						186
MEANS TEN DAYS *				588	589	589	590	569	591	593	606	641	681	706	711	698	673	646	625	614	604	597	597	595	595	595	594	621						156
MEANS FIVE DAYS (G. M. T.) †				594	593	593	593	593	596	598	604	630	657	677	683	674	659	636	621	618	610	597 601	596 598	595	596	596	595	617						
MEANS FIVE DAYS (G. M. T.) ‡				571	571	572	574	573	581	592	609	644	663	676	677	660	628	597	571	564	555	556	568	565	568	570	574	595						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 42

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1936 — FEBRUARY 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		571	575	578	580	580	578	578	588	627	671	694	703	700	688	670	649	631	603	584	584	580	579	582	584	615	0	12 02	712	0 38	570	142
2				584	582	580	584	584	582	578	582	608	646	713	724	738	690	634	602	578	569	555	562	562	559	553	555	604	1	11 50	754	23 13	551	203
3				571	569	567	570	571	578	584	591	618	643	672	681	670	659	654	642	630	612	594	589	595	583	579	587	609	0	11 42	698	0 00	557	141
4				587	582	575	579	584	578	561	560	600	649	689	700	694	689	665	645	623	610	594	583	584	581	579	572	611	0	11 42	714	7 33	547	167
5	✓	✓		571	573	580	575	582	589	603	625	642	658	656	657	641	617	606	608	616	611	596	589	585	584	580	578	605	0	9 47	686	1 00	570	116
6	✓			578	578	581	586	589	591	598	616	644	674	710	732	722	721	703	676	648	617	597	592	591	591	590	588	630	0	11 43	742	0 30	577	165
7	✓	✓		585	585	594	598	595	595	607	638	662	686	694	692	695	665	648	636	638	621	604	595	591	591	591	591	625	0	11 41	713	1 25	582	131
8	✓			593	595	597	598	596	591	589	598	634	683	723	726	724	710	674	631	596	593	597	598	587	580	587	593	625	0	11 15	744	21 37	577	167
9				584	586	588	591	588	591	593	619	657	704	746	744	750	729	713	673	620	594	586	571	566	565	571	572	629	1	12 33	787	21 13	553	234
10				568	570	582	582	583	583	586	583	623	700	749	738	744	713	682	635	599	563	572	571	574	573	568	570	617	1	12 06	795	18 28	557	238
11				581	577	578	579	577	579	569	565	606	644	702	739	753	(725)	695	665	634	604	590	586	584	584	582	583	620	0	11 59	767	7 41	555	212
12	✓			578	578	580	583	584	583	580	589	624	665	711	745	756	747	723	682	639	606	596	600	597	597	595	594	630	0	12 44	766	1 38	577	189
13	✓	✓		594	595	592	595	597	595	586	588	617	655	694	714	723	727	702	665	625	603	598	595	591	592	589	586	626	0	13 12	734	7 03	580	154
14				589	589	591	591	601	605	602	597	650	700	783	691	671	703	685	662	628	592	580	571	568	556	561	573	622	1	10 36	848	21 24	554	294
15				573	573	573	575	578	576	567	563	591	647	724	697	735	717	693	656	605	573	562	565	572	566	566	566	609	1	13 02	758	7 14	544	214
16			✓	568	568	569	573	575	575	570	543	582	640	666	712	727	672	673	637	604	588	588	579	554	555	549	556	601	1	12 06	781	7 39	524	257
17			✓	562	564	562	575	574	573	574	562	579	594	644	663	659	682	648	608	594	565	544	540	540	542	551	551	585	1	13 48	717	21 07	537	180
18				553	553	559	560	560	561	554	559	585	607	635	676	705	675	660	641	621	589	578	573	568	566	558	559	594	0	12 13	725	7 16	551	174
19			✓	564	566	565	568	573	567	563	556	584	636	711	727	676	664	628	589	570	533	534	540	548	548	555	555	588	1	10 58	760	17 58	523	237
20				558	559	562	562	567	569	564	565	589	632	660	687	703	704	670	635	618	582	562	558	564	571	566	554	598	0	12 59	718	0 00	555	163
21			✓	552	567	571	573	568	558	559	593	614	620	631	662	708	677	656	637	583	567	555	548	551	557	550	553	592	1	12 01	737	23 01	536	201
22			✓	559	559	556	567	560	560	559	580	626	669	685	681	691	676	659	624	589	575	566	566	569	562	560	562	598	1	10 05	732	2 54	553	179
23				564	573	574	572	571	575	566	574	607	651	702	731	724	714	670	613	599	576	547	547	546	545	552	561	602	0	11 23	743	18 44	536	207
24	✓			564	564	566	568	568	568	570	577	613	670	723	758	748	727	678	639	607	589	580	578	579	582	579	578	616	0	11 56	767	0 00	562	205
25				579	580	581	580	582	582	586	615	652	683	747	778	780	776	714	653	596	569	570	564	562	564	556	551	625	0	11 23	805	23 29	549	256
26				560	566	571	577	572	570	560	549	579	643	700	701	705	672	651	594	577	564	543	527	529	537	550	556	590	0	11 59	735	20 15	523	212
27				556	571	564	564	571	573	554	552	585	628	651	704	698	673	662	647	619	589	567	563	571	571	569	568	599	1	11 35	726	6 59	526	200
28	✓	✓		573	572	573	573	575	575	560	546	574	622	687	730	753	744	718	671	634	602	587	582	581	580	577	578	615	0	12 56	758	7 34	541	217
29	✓			577	577	579	579	576	581	575	572	586	667	688	703	730	724	679	652	623	595	575	586	586	586	584	575	615	0	12 44	758	7 46	568	190
30																																		
31																																		
MEANS ALL DAYS				572	574	575	578	579	579	576	581	612	655	696	710	715	699	673	640	612	588	576	572	572	571	570	571	610						195
MEANS TEN DAYS ✻				578	579	582	584	584	585	585	594	622	665	698	716	719	707	680	651	626	604	591	590	587	586	585	584	620						168
MEANS FIVE DAYS † (G. M. T.)				579	580	583	584	586	586	587	597	624	658	685	699	702	688	669	646	629	608	588 594	582 589	584	584	582	580	617						
MEANS FIVE DAYS ‡ (G. M. T.)				561	565	565	571	570	567	565	567	597	632	667	689	692	674	653	619	588	566	557	565	562	563	558	558	595						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 43

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MARCH 1936 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) MARCH 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			576	576	578	579	589	589	585	600	634	670	710	717	734	731	716	683	651	616	596	590	589	590	587	581	628	0	12 05	742	3 05	572	170
2	✓			581	586	586	588	591	592	585	584	607	639	667	673	674	672	658	645	(631	610)	595	595	595	594	591	590	614	0	13 16	677	0 14	579	98
3	✓	✓		589	591	593	595	596	598	605	623	653	682	702	713	709	703	689	672	655	631	610	604	602	600	601	601	634	0	12 15	722	0 14	588	134
4	✓	✓		598	596	601	604	607	608	613	636	673	712	731	731	713	692	672	656	635	623	613	598	581	579	587	589	635	0	10 42	737	21 03	571	166
5	✓			588	586	586	589	594	594	598	616	646	694	692	705	698	649	649	642	630	618	605	600	598	596	595	591	623	1	12 53	727	2 07	582	145
6				590	590	595	597	595	595	601	622	673	715	763	733	717	685	662	630	613	581	584	587	585	582	584	584	628	0	10 33	784	17 46	576	208
7	✓	✓		583	580	584	588	588	586	592	613	648	676	704	696	689	665	646	637	631	616	606	600	597	598	594	584	621	0	10 51	721	1 30	579	142
8				586	587	591	593	596	597	600	612	655	737	736	696	712	682	663	643	623	599	591	584	579	576	576	579	625	1	9 38	785	21 39	572	213
9				581	586	586	586	588	593	593	613	649	696	718	714	715	734	675	663	635	609	590	584	583	583	568	569	625	1	13 36	809	22 46	565	244
10				569	579	578	578	581	588	580	591	635	700	719	729	702	656	620	602	604	610	601	598	593	591	589	589	616	0	11 04	741	0 17	567	174
11	✓	✓		586	586	588	591	593	593	596	628	685	749	790	794	761	705	651	614	604	611	611	603	600	599	594	590	638	0	10 50	801	0 50	586	215
12	✓	✓		611	610	609	587	588	589	586	607	661	729	775	777	753	692	638	605	597	604	607	602	599	597	595	591	634	0	10 49	791	6 34	584	207
13				586	585	585	592	596	593	591	618	675	736	793	817	804	751	683	642	622	608	601	596	593	592	595	591	644	0	11 19	829	1 39	582	247
14				588	587	585	592	598	595	586	597	646	691	738	742	725	685	678	663	631	611	591	573	560	566	582	578	624	0	10 45	764	21 07	559	205
15				575	575	588	590	585	590	589	600	647	672	710	694	697	663	647	639	616	594	580	582	585	585	582	570	615	0	10 47	726	23 30	566	160
16				579	577	583	586	589	590	598	616	644	673	694	704	704	664	651	625	609	597	590	585	576	558	558	563	613	0	11 58	721	21 37	550	171
17				561	563	567	575	578	581	579	597	642	696	730	734	724	691	662	633	608	592	583	575	565	576	583	577	616	0	11 15	757	20 54	559	198
18				577	574	572	580	583	582	572	581	626	691	734	757	740	710	623	573	571	574	570	572	556	552	563	565	608	0	11 57	772	21 30	549	223
19				565	567	573	580	581	583	591	629	672	709	722	735	732	716	682	646	610	592	578	570	569	564	581	550	621	0	11 31	739	24 00	547	192
20			✓	546	557	559	557	574	576	584	606	634	646	657	651	618	602	618	627	621	572	535	512	525	547	531	534	583	1	9 53	696	20 04	501	195
21			✓	535	550	556	557	562	577	565	562	583	636	628	643	612	602	576	558	570	563	543	522	528	552	553	558	570	1	11 12	676	20 17	510	166
22				556	559	563	567	568	567	580	622	676	678	706	649	646	620	593	592	594	599	587	579	574	554	532	539	596	1	10 32	724	23 23	521	203
23			✓	548	547	548	553	556	556	563	613	660	722	752	718	641	603	564	545	581	587	566	551	545	548	538	555	590	1	10 48	784	15 14	528	256
24			✓	567	574	565	573	570	565	579	620	689	692	697	708	707	676	630	593	542	525	526	535	533	541	538	548	596	1	12 05	753	20 58	510	243
25			✓	548	547	554	558	558	557	554	595	646	675	719	744	732	705	660	610	570	543	514	505	519	538	528	539	592	1	11 03	748	20 24	500	248
26				550	543	549	557	558	558	563	601	646	702	745	758	746	712	686	627	583	553	554	550	539	537	538	547	604	1	11 17	773	20 58	530	243
27				556	572	572	572	573	571	563	575	622	676	690	724	692	661	649	607	572	548	544	533	536	522	524	527	591	1	11 30	742	21 17	519	223
28				535	544	552	557	559	560	554	565	599	632	665	685	690	681	633	618	609	592	582	578	574	581	550	535	593	0	12 21	701	0 00	531	170
29	✓			539	543	552	554	563	567	563	574	609	650	665	681	686	677	653	627	609	587	572	562	556	552	550	550	593	0	12 47	689	0 00	533	156
30	✓			553	556	571	571	572	575	578	594	624	663	699	723	720	693	655	633	623	609	587	570	573	575	565	560	610	0	11 57	728	0 28	552	176
31				561	562	565	575	567	569	572	596	629	678	710	713	706	678	667	650	631	617	606	597	594	592	588	584	617	0	11 54	726	0 15	560	166
MEANS ALL DAYS				570	572	575	578	581	582	583	603	645	688	715	718	706	679	650	626	609	593	581	574	571	572	569	568	613						192
MEANS TEN DAYS *				580	581	585	585	588	589	590	608	644	686	714	721	714	688	663	641	627	612	600	592	589	588	586	583	623						161
MEANS FIVE DAYS † (G. M. T.)				593	593	595	593	594	595	598	621	664	710	740	742	725	691	659	637	624	617	600 609	597 601	595	593	592	591	632						
MEANS FIVE DAYS ‡ (G. M. T.)				549	555	556	560	564	566	569	599	642	674	691	693	662	638	610	587	577	558	537	549	549	551	544	545	589						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 44

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1936 — APRIL 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				582	583	589	592	593	597	607	629	655	730	711	688	632	598	550	597	609	597	577	577	566	561	561	561	606	1	9 22	743	14 10	520	223
2				560	569	574	580	580	582	587	605	643	687	722	718	718	699	674	657	599	588	587	585	581	579	584	588	619	0	12 42	756	0 22	557	199
3				586	590	586	588	589	591	600	629	675	722	732	737	683	655	599	557	560	559	543	541	544	545	539	537	604	0	11 34	755	24 00	532	223
4	✓			535	546	573	568	565	571	586	615	648	678	688	679	654	626	613	611	615	603	585	578	575	571	569	563	601	0	9 32	696	0 08	532	164
5	✓	✓		567	572	575	574	574	574	587	620	662	694	721	725	692	659	622	614	610	604	592	586	583	581	583	583	615	0	11 21	731	0 03	562	169
6	✓	✓		584	587	581	579	580	580	590	621	676	735	774	781	771	715	663	630	623	615	604	597	592	590	585	583	635	0	11 14	788	5 57	577	211
7				585	588	589	594	587	579	584	603	641	692	716	751	736	685	657	642	626	607	594	589	589	588	586	577	624	0	11 47	788	5 44	574	214
8				584	572	563	594	583	584	580	594	576	630	699	748	732	679	662	631	608	595	585	582	580	576	572	572	612	1	11 51	858	2 30	554	304
9	✓			572	577	582	583	586	584	586	590	618	654	689	711	713	700	670	643	620	606	590	586	583	580	579	577	616	0	12 09	723	0 25	570	153
10	✓	✓		582	584	585	586	587	588	594	618	657	695	706	719	712	684	660	633	619	605	594	586	579	579	576	575	621	0	11 22	729	23 26	574	155
11				574	587	591	589	590	584	561	569	594	660	688	723	709	687	663	624	613	601	577	559	569	571	577	573	610	0	11 20	740	19 42	555	185
12				572	585	586	589	588	578	583	598	644	707	742	766	776	681	650	627	583	573	570	551	543	553	563	563	615	0	12 11	809	20 31	538	271
13				592	584	583	582	592	581	577	571	628	663	721	742	722	707	659	615	590	585	574	574	572	572	574	573	614	1	11 17	787	7 43	560	227
14				580	578	575	582	585	581	580	594	638	687	730	754	739	698	637	573	554	578	577	572	570	569	564	567	611	0	11 43	767	16 13	543	224
15				570	560	575	586	578	571	563	576	616	651	727	707	677	657	645	613	594	568	539	513	497	505	518	535	589	1	11 00	757	20 28	494	263
16	✓			539	554	558	563	566	571	570	575	601	623	653	666	667	666	657	637	618	596	579	573	557	554	559	559	594	0	13 42	679	0 00	535	144
17				562	565	575	574	572	579	592	606	634	665	696	698	672	663	627	597	566	541	529	547	507	487	482	486	584	0	11 16	714	21 53	480	234
18			✓	546	518	516	525	542	549	569	596	636	654	696	670	640	621	594	577	584	563	533	530	512	502	497	520	570	1	11 12	716	22 23	494	222
19			✓	537	555	554	554	553	570	557	585	608	669	659	705	641	628	623	622	566	535	513	504	486	480	499	510	571	1	11 20	741	21 41	476	265
20			✓	525	544	546	541	541	548	560	583	615	615	639	703	679	643	591	555	535	531	512	515	512	524	532	546	568	1	11 26	731	20 28	501	230
21			✓	537	533	540	561	552	548	547	579	605	623	627	691	691	669	628	562	504	498	474	441	478	490	520	513	559	1	12 04	740	19 35	427	313
22			✓	511	533	551	543	537	531	545	556	602	658	663	672	696	658	605	576	563	537	557	539	531	540	544	555	575	1	11 08	738	0 43	508	230
23				570	554	558	552	550	552	540	566	625	676	667	718	646	601	583	566	563	550	549	559	551	552	558	559	582	1	11 44	743	6 36	531	212
24				566	569	556	554	554	579	549	550	597	648	692	706	701	671	629	602	589	572	557	552	547	555	548	557	592	0	11 35	720	20 13	536	184
25				561	563	562	[illegible]	566	566	555	568	592	639	674	706	688	651	621	596	584	579	572	569	563	558	559	569	593	0	11 56	721	6 32	550	171
26	✓	✓		571	570	568	569	570	570	566	574	608	669	713	735	732	693	644	616	603	594	583	578	577	575	572	568	609	0	12 22	745	6 30	563	182
27	✓			570	572	574	576	579	579	574	582	613	657	688	717	688	649	644	629	613	600	589	586	585	580	575	562	608	0	11 55	729	24 00	560	169
28	✓			560	566	578	572	574	576	572	584	602	642	672	680	652	624	599	602	584	580	578	576	575	569	566	563	594	0	10 44	699	0 47	559	140
29	✓	✓		569	571	572	573	574	577	586	603	635	657	684	695	694	679	654	637	620	603	588	584	580	580	579	575	611	0	11 47	700	0 00	566	134
30				569	579	571	576	584	586	589	603	626	653	659	677	663	663	653	640	620	599	574	543	546	538	537	550	600	0	11 20	686	22 13	533	153
31																																		
MEANS ALL DAYS				564	567	570	572	572	574	575	591	626	668	695	713	694	664	633	609	591	579	566	559	554	553	555	557	600						212
MEANS TEN DAYS *				565	570	575	574	576	577	581	598	632	670	699	711	698	670	643	625	612	601	588	583	579	576	574	571	610						162
MEANS FIVE DAYS † (G. M. T.)				575	577	576	576	577	578	585	607	648	690	720	731	720	686	649	626	615	604	583 592	579 586	576	572	571	571	617						
MEANS FIVE DAYS ‡ (G. M. T.)				531	537	541	545	545	549	556	580	613	644	657	688	669	644	608	578	550	533	518	507	499	497	506	515	567						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 45

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1936 — MAY 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MINIMUM (H M)	RANGE
1	✓			565	566	566	567	570	576	593	628	642	671	683	686	674	657	632	616	607	599	590	584	579	567	565	571	606	0	12 02 691	0 00 559	132
2	✓			569	567	572	579	581	583	586	611	648	674	708	719	712	683	643	612	603	597	590	585	581	577	576	577	614	0	11 20 726	1 12 564	162
3	✓			584	585	587	588	592	591	597	620	652	684	703	713	710	686	659	637	623	618	612	610	603	597	587	583	626	0	11 22 717	23 57 577	140
4				579	581	587	595	595	595	608	640	688	687	634	651	680	642	576	594	563	557	555	559	561	561	564	565	601	1	9 13 746	16 44 549	197
5				570	576	580	581	579	577	579	599	629	664	682	681	663	633	615	604	601	597	594	587	584	581	583	583	605	0	10 41 687	006 566	121
6	✓			583	583	583	581	585	585	605	630	646	673	690	695	702	682	654	629	614	599	590	587	585	583	583	585	618	0	12 47 712	1 23 579	133
7	✓	✓		586	587	588	587	588	596	600	624	658	699	730	743	742	714	662	624	605	593	590	587	587	584	584	586	627	0	12 00 748	4 08 579	169
8	✓	✓		589	586	582	585	586	585	584	601	630	677	727	752	743	701	652	623	605	598	591	588	586	583	582	585	622	0	11 32 755	22 06 581	174
9	✓	✓		586	588	590	592	593	594	598	616	648	689	733	748	731	693	654	623	610	605	599	594	590	589	586	587	626	0	11 45 753	22 43 584	169
10				590	594	595	607	606	599	607	602	629	685	740	773	767	693	631	523	574	584	575	577	561	569	570	572	618	1	12 23 830	15 14 500	330
11			✓	586	591	600	593	588	609	626	637	650	676	660	715	717	703	669	641	613	592	580	575	581	568	566	580	622	1	11 47 745	4 17 580	165
12			✓	581	572	568	591	579	576	583	594	617	650	674	715	711	711	612	568	563	549	542	549	551	550	559	555	597	1	11 47 756	18 23 537	219
13				560	566	568	568	570	570	571	582	604	633	666	683	686	668	634	606	583	576	572	572	574	572	570	572	597	0	12 05 692	0 00 557	135
14				578	577	574	581	587	588	596	607	653	691	706	690	689	680	629	589	563	559	560	559	560	550	554	566	604	0	9 42 723	21 30 548	175
15				565	566	565	573	579	572	567	579	611	640	663	673	684	655	637	593	566	548	543	540	554	558	546	550	589	0	12 36 698	19 03 535	163
16				559	566	569	563	562	573	582	589	590	610	614	661	634	604	577	560	567	560	550	545	547	559	558	555	577	1	11 39 690	19 12 543	147
17				559	567	568	560	564	569	589	614	634	642	655	672	662	646	617	593	575	568	557	554	551	547	559	560	591	0	11 56 680	20 24 544	136
18			✓	560	575	585	568	557	571	591	616	643	667	668	671	671	655	632	594	569	569	574	548	559	556	563	562	597	1	11 48 697	19 39 543	154
19			✓	554	556	550	561	562	561	575	600	628	654	674	692	675	665	611	566	549	543	552	556	561	564	580	579	590	1	11 38 705	16 13 534	171
20				565	562	568	574	579	575	591	615	651	654	688	661	678	654	602	589	580	578	573	568	566	568	571	571	599	1	10 24 698	1 23 558	140
21				566	578	569	568	567	571	586	612	640	673	705	712	697	677	633	595	586	573	566	572	573	566	566	568	605	0	11 14 724	0 32 561	163
22	✓			572	576	579	579	577	576	586	604	632	658	683	700	680	656	616	589	581	577	575	567	564	567	567	574	601	0	11 11 718	20 00 562	156
23	✓	✓		573	576	579	580	581	578	576	591	616	647	680	688	690	667	635	609	595	586	580	574	573	571	569	568	603	0	12 13 699	23 53 567	132
24	✓	✓		571	573	576	580	581	582	591	610	637	676	710	725	724	698	659	623	603	593	589	588	588	587	584	583	618	0	11 59 731	0 00 568	163
25				582	582	584	587	587	588	586	591	626	656	703	731	737	723	676	618	596	588	584	579	576	583	589	586	618	0	12 20 744	20 10 573	171
26				585	587	586	582	582	580	572	576	557	616	665	688	673	658	627	602	591	582	574	575	575	576	577	576	598	0	11 18 693	8 29 538	155
27				576	578	575	582	584	580	584	600	629	653	670	690	674	669	644	621	598	582	581	576	569	573	576	571	606	0	11 52 699	20 56 567	132
28				569	573	582	587	589	592	604	620	628	642	657	674	687	643	637	625	611	600	589	585	584	583	582	582	609	0	12 06 716	0 29 567	149
29			✓	582	587	589	586	598	593	596	571	580	581	651	677	687	643	628	604	557	534	547	551	557	551	545	543	589	1	12 09 704	16 08 526	178
30				553	555	562	562	565	572	589	612	630	640	650	653	676	680	671	644	621	615	600	565	553	544	541	553	600	1	12 37 720	22 03 529	191
31				555	562	566	569	569	574	590	603	623	633	646	651	653	649	638	618	604	595	589	586	586	581	578	584	600	0	13 23 661	0 43 549	112
MEANS ALL DAYS				573	575	577	579	580	582	590	606	631	658	681	696	694	671	634	604	590	581	576	572	572	570	570	572	606				162
MEANS TEN DAYS ✲				578	579	580	582	583	585	592	614	641	675	705	717	711	684	647	618	605	596	591	586	584	580	578	580	616				153
MEANS FIVE DAYS † (G. M. T.)				581	582	583	585	586	587	590	608	638	678	716	731	726	695	652	620	604	595	585 590	581 586	579	578	577	580	618				
MEANS FIVE DAYS ‡ (G. M. T.)				573	576	578	580	577	582	594	604	624	646	665	694	692	675	630	595	570	557	559	568	567	565	568	571	600				

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 46

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1936.

JUNE 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	584	582	575	570	569	559	551	576	613	645	673	690	672	650	633	601	575	577	575	574	578	583	571	572	598	1	11	47	780	6 10	546	234
2			✓	585	591	580	580	577	587	617	622	649	681	718	719	728	675	599	534	516	527	533	540	542	534	533	553	597	1	12	06	805	16 21	508	297
3				562	566	560	558	565	569	588	607	631	662	692	704	689	662	627	601	590	579	572	578	573	573	573	575	602	0	10	57	724	0 11	550	174
4				575	573	578	579	580	584	583	605	620	653	667	687	678	655	633	612	597	583	581	582	581	578	577	577	605	0	11	57	690	1 17	571	119
5	✓	✓		575	578	577	583	577	575	575	578	595	624	662	673	665	646	623	603	594	591	584	582	581	580	580	582	599	0	11	02	677	7 45	571	106
6	✓	✓		583	585	589	589	593	594	601	614	633	655	683	702	699	676	639	610	596	596	593	590	591	587	586	586	615	0	11	57	706	0 00	582	124
7				585	584	589	589	592	593	598	612	631	655	673	675	674	662	653	619	607	597	596	589	578	568	574	578	611	0	10	56	686	21 34	565	121
8				582	586	582	592	600	602	609	621	641	655	677	711	721	656	641	613	585	548	549	587	590	589	543	525	609	0	12	48	752	23 10	517	235
9			✓	536	528	569	553	553	551	562	616	609	590	641	584	651	628	616	603	584	563	544	549	554	554	544	562	577	1	11	01	722	11 17	493	229
10			✓	560	565	560	567	576	576	570	599	596	628	633	666	626	640	611	591	586	559	547	560	575	565	560	565	587	1	11	53	687	18 30	541	146
11				571	573	576	577	578	580	580	591	601	652	662	676	684	661	626	598	584	580	573	571	573	565	562	565	598	0	12	27	695	22 15	559	136
12				577	575	591	577	577	581	585	591	602	617	633	636	646	638	625	603	591	574	566	561	564	570	561	576	592	0	12	08	659	19 44	558	101
13				587	578	579	584	588	589	609	633	668	674	704	707	697	680	624	602	586	572	576	576	576	569	567	571	612	0	10	56	737	21 57	556	181
14				582	582	587	581	576	577	595	620	639	667	685	686	643	638	623	603	591	583	569	557	560	553	575	565	602	0	11	42	709	21 23	545	164
15				579	577	573	578	595	589	607	627	661	691	678	697	676	640	599	583	581	582	575	582	578	564	568	573	606	0	9	50	712	22 11	556	156
16				589	575	580	579	578	582	597	608	651	669	671	685	681	667	630	608	589	577	575	582	571	575	580	580	607	0	11	45	702	20 33	567	135
17				576	581	584	584	584	586	591	596	609	629	647	662	674	662	619	594	578	576	579	581	572	574	576	583	600	0	12	57	678	20 33	571	107
18				582	583	586	585	590	600	612	639	663	687	695	712	680	643	643	620	604	569	537	557	562	503	460	425	597	1	11	14	732	23 27	406	326
19			✓	480	504	472	505	498	483	493	493	511	525	548	588	585	589	558	538	516	534	536	541	556	554	547	557	530	2	11	39	610	0 00	421	189
20				558	554	542	549	549	554	573	595	623	653	663	665	661	643	598	569	560	560	558	558	557	555	555	558	584	1	11	14	676	2 16	529	147
21	✓			561	562	566	568	569	572	584	610	644	676	692	695	675	655	620	597	580	578	576	571	568	566	567	568	601	0	11	03	701	1 00	560	141
22	✓			566	569	571	571	573	579	583	597	622	650	681	677	662	643	611	595	587	584	579	578	575	571	571	571	599	0	10	48	695	0 26	564	131
23	✓	✓		573	573	575	576	578	581	594	618	647	682	705	708	686	647	609	598	591	592	589	585	583	581	578	582	610	0	11	09	715	1 13	571	144
24				583	583	584	591	595	598	611	633	654	683	716	710	672	651	658	631	603	592	580	572	566	569	576	577	616	0	10	44	728	20 26	560	168
25	✓			578	579	579	584	586	585	601	621	645	668	691	694	684	653	629	613	605	602	598	595	593	591	598	597	615	0	10	58	705	0 00	576	129
26				598	598	597	598	596	598	601	623	663	700	688	730	702	688	664	623	586	558	544	541	542	545	556	567	613	0	11	19	761	19 34	535	226
27	✓			571	578	583	583	584	585	595	607	619	627	635	643	645	634	620	611	608	601	587	579	580	582	584	584	601	0	12	22	648	0 18	567	81
28	✓			586	587	591	596	598	601	601	609	636	663	691	702	696	680	649	621	614	606	596	593	594	591	591	594	620	0	11	22	705	0 00	582	123
29	✓	✓		595	596	598	599	601	602	602	610	628	653	695	706	707	691	641	611	594	589	590	589	586	589	590	591	619	0	11	50	712	20 50	585	127
30	✓	✓		591	594	598	600	600	600	605	614	621	643	669	684	695	681	644	621	606	597	586	584	583	586	587	590	616	0	12	07	700	20 00	581	119
31																																		
MEANS ALL DAYS				574	575	576	577	579	580	589	606	627	652	672	682	675	654	625	601	586	578	571	573	573	569	566	568	601							161
MEANS TEN DAYS *				578	580	583	585	586	587	594	608	629	654	680	688	681	661	628	608	598	594	588	585	583	582	583	584	610							122
MEANS FIVE DAYS † (G. M. T.)				583	585	587	589	590	590	595	607	625	651	683	695	690	668	631	609	596	593	586 588	585 586	583	582	582	583	611							
MEANS FIVE DAYS ‡ (G. M. T.)				549	554	551	555	555	551	559	581	596	614	643	649	652	636	603	573	555	552	547	571	574	562	539	534	577							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 47

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JULY 1936 — JULY 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				595	598	601	603	603	605	610	637	675	708	744	750	741	712	675	637	618	609	604	615	625	620	623	610	642	0	10	47	762	23 52	575	187
2			✓	580	584	574	598	573	551	517	497	477	527	517	527	593	594	591	557	544	535	524	523	545	546	546	539	548	1	14	14	609	8 34	444	165
3	✓			541	547	553	553	555	556	564	578	589	614	649	673	675	656	628	601	581	569	566	565	564	563	563	564	586	0	12	16	683	0 00	538	145
4				567	569	571	575	578	581	592	612	639	670	690	690	682	666	634	621	599	581	579	576	576	590	592	578	609	0	10	56	703	23 43	562	141
5				562	566	573	562	560	572	559	556	572	605	629	670	659	632	616	587	583	576	559	546	536	530	549	556	580	1	11	58	700	21 20	523	177
6			✓	558	562	568	578	578	581	586	567	585	599	613	625	631	612	603	580	554	547	546	535	555	549	563	562	577	1	12	39	659	7 29	527	132
7				560	564	567	569	584	588	576	596	606	643	667	692	681	649	626	612	598	587	573	565	571	565	572	567	599	0	11	37	708	0 11	558	150
8				566	573	578	581	581	580	576	576	592	610	627	653	646	628	606	589	582	575	573	572	573	573	574	576	590	0	11	41	666	0 08	559	107
9				577	577	578	579	582	587	591	603	621	632	644	655	661	673	654	621	593	580	573	570	570	571	580	590	603	0	13	42	679	21 33	565	114
10			✓	597	569	578	576	584	593	599	603	619	648	676	636	602	636	612	567	530	511	498	502	537	533	552	560	580	1	10	37	693	18 46	495	198
11			✓	556	560	567	574	612	590	574	565	576	618	629	699	668	629	602	582	565	565	573	571	566	575	567	569	590	1	11	06	770	8 48	553	217
12				576	580	579	578	587	586	590	602	615	635	646	660	664	663	652	620	594	588	578	569	580	566	554	576	602	1	13	06	682	22 26	547	135
13				559	561	568	573	574	577	578	598	611	624	661	676	676	641	616	601	591	584	579	576	576	574	573	574	597	1	11	50	704	0 42	555	149
14	✓	✓		578	579	576	582	582	582	594	609	634	660	696	717	697	679	644	613	598	589	584	582	580	584	581	578	612	0	11	43	728	2 13	575	153
15		✓		582	589	585	582	584	587	599	616	641	657	668	677	680	666	635	623	605	586	585	585	589	592	588	565	611	0	12	38	689	24 00	552	137
16				554	558	568	574	578	585	603	617	634	651	677	696	700	681	658	643	624	609	600	592	573	566	574	579	612	0	12	54	713	0 50	549	164
17				578	575	576	577	583	587	589	604	617	638	661	655	681	648	609	596	603	611	626	601	589	590	596	583	607	1	12	22	714	1 30	574	140
18				583	580	579	580	586	594	603	607	614	628	665	696	710	715	684	647	618	601	585	576	582	577	575	576	615	1	13	30	728	23 10	573	155
19	✓			583	587	584	584	584	586	593	603	618	637	651	665	670	663	652	623	602	589	579	580	584	583	579	577	606	0	12	02	674	23 21	575	99
20	✓			587	579	582	581	583	586	596	617	640	668	677	680	670	643	622	611	599	589	586	584	582	584	584	584	609	0	12	04	707	1 59	577	130
21	✓	✓		584	586	587	591	591	590	595	618	649	678	697	700	687	669	647	625	609	598	592	591	589	587	587	587	618	0	11	14	704	0 00	583	121
22	✓			585	586	586	588	593	594	594	600	616	627	632	628	635	634	623	610	601	591	585	588	589	588	586	586	602	0	9	53	640	18 10	583	57
23	✓	✓		587	589	590	591	591	593	606	626	642	663	687	700	693	671	645	618	603	598	595	592	591	591	591	591	618	0	11	35	705	0 05	586	119
24	✓	✓		592	594	592	598	598	598	604	607	614	625	650	666	665	654	643	628	617	609	604	599	601	600	596	596	615	0	11	57	673	23 13	590	83
25	✓			597	601	602	604	605	604	615	641	656	654	684	697	696	684	661	628	597	598	594	593	584	577	579	584	622	0	11	26	710	21 11	575	135
26	✓			582	586	590	591	598	599	608	624	647	666	683	691	684	665	645	625	609	600	594	592	592	592	593	594	619	0	11	14	695	0 24	582	113
27				596	596	605	601	598	602	611	626	648	656	673	661	675	663	658	631	600	589	581	577	569	570	582	576	614	0	12	47	691	20 58	566	125
28				576	584	588	594	596	597	618	640	655	666	643	652	658	664	651	632	612	602	603	601	602	601	598	596	618	0	9	23	676	0 00	573	103
29			✓	591	606	612	595	592	599	585	600	609	658	618	579	644	616	606	591	566	555	560	557	573	557	542	569	591	1	9	31	745	11 23	495	250
30				562	560	564	562	565	573	586	608	633	652	669	674	667	650	629	611	596	585	579	578	576	578	579	580	601	0	10	54	676	1 59	558	118
31				582	584	583	584	586	590	597	609	636	653	681	697	684	693	677	639	603	581	578	571	567	575	569	565	612	0	11	19	726	20 20	558	168
MEANS ALL DAYS				577	578	581	583	585	587	591	602	619	641	658	669	670	656	636	612	593	583	579	575	577	576	577	577	603	DESIGNATIONS AND REMARKS						142
MEANS TEN DAYS ✲				582	583	584	586	588	589	597	612	630	649	671	682	677	662	641	618	602	593	588	587	586	585	584	584	611	✲ = TEN LEAST DISTURBED DAYS † = FIVE INTERNATIONAL QUIET DAYS ‡ = FIVE INTERNATIONAL DISTURBED DAYS						116
MEANS FIVE DAYS † (G. M. T.)				585	587	586	589	589	590	600	615	636	657	680	692	684	668	643	621	606	596	586 592	584 590	584	584	583	583	614	□ = APPROXIMATE, MAGNETIC STORM ( ) = INTERPOLATED [ ] = ESTIMATED ▽ = LAMP OUT	△ = RECORD OFF SHEET □ = CLOCK STOPPED ⊼ = NO RECORD					
MEANS FIVE DAYS ‡ (G. M. T.)				576	576	579	584	588	583	572	566	573	610	611	613	628	617	603	575	552	543	540	567	574	571	580	582	582							

TABLE 48

HORIZONTAL INTENSITY

AUGUST 1936

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				569	583	584	577	579	583	596	619	643	670	693	703	699	688	663	629	602	588	577	580	583	577	577	575	614	0	11	12 712	0	00 566	146
2				583	581	581	588	596	599	613	635	660	686	704	694	695	681	649	620	604	597	592	592	586	583	587	586	620	0	10	43 714	0	00 577	137
3				590	592	592	593	595	600	611	626	648	668	663	668	667	657	620	609	588	581	581	578	575	581	588	591	611	0	9	32 676	20	21 567	109
4				582	586	592	591	591	592	602	618	644	673	690	696	690	666	649	631	616	603	596	595	593	591	586	593	620	0	11	42 699	0	50 580	119
5			✓	595	592	593	597	600	598	604	618	634	654	657	694	702	656	618	584	570	567	560	549	547	563	559	550	603	0	12	13 720	20	12 540	180
6			✓	562	584	576	579	581	583	592	605	623	644	683	708	697	679	660	625	605	593	588	588	586	586	588	588	613	0	11	44 718	0	04 557	161
7	✓	✓		589	591	592	597	601	604	611	619	637	662	673	665	651	643	636	622	613	604	596	593	593	588	586	588	615	0	10	30 675	22	50 584	91
8			✓	589	586	593	593	596	599	609	630	656	665	684	697	694	631	635	594	575	588	587	585	582	584	577	590	613	0	12	01 729	22	16 567	162
9				580	576	577	576	578	579	600	606	604	618	629	661	688	684	664	632	608	587	581	568	561	557	553	550	601	0	12	12 696	22	41 548	148
10			✓	556	562	575	599	585	579	586	600	597	620	633	654	663	665	648	629	611	595	585	581	581	581	578	580	602	0	12	21 677	0	02 550	127
11	✓	✓		580	584	586	583	583	588	591	593	604	625	637	656	650	636	629	628	620	603	591	588	588	590	588	584	604	0	11	43 661	0	14 577	84
12				586	590	595	595	594	597	610	622	632	662	656	657	675	689	669	641	619	602	591	586	588	588	588	588	618	0	13	36 697	23	00 583	114
13	✓			588	585	579	584	584	592	610	624	644	671	691	690	675	667	646	619	608	602	594	590	593	595	595	595	618	0	10	58 695	2	28 573	122
14				597	597	600	605	607	610	623	637	660	685	700	703	691	675	655	636	618	611	605	600	593	596	592	583	628	0	9	20 725	24	00 580	145
15				573	585	578	584	591	593	609	634	663	681	701	704	688	660	630	607	597	596	593	588	585	583	585	584	616	0	11	14 709	0	39 568	141
16				583	583	587	586	588	592	600	619	649	680	703	712	693	674	639	611	593	591	585	580	576	571	569	578	614	0	11	38 716	22	28 567	149
17	✓			583	583	583	584	587	590	600	616	642	669	691	692	673	646	627	616	613	600	591	590	591	586	588	592	614	0	10	53 699	0	00 581	118
18	✓	✓		590	588	589	590	591	599	611	629	644	662	673	674	670	659	642	627	620	612	604	599	597	598	598	597	619	0	10	44 677	1	21 588	89
19	✓	✓		595	597	600	601	602	605	616	634	661	694	716	718	720	711	692	662	633	610	602	597	596	596	595	593	635	0	10	50 733	23	37 592	141
20				598	601	601	601	597	599	608	623	649	688	684	697	684	656	620	602	593	583	577	574	581	583	584	583	615	0	10	04 712	19	26 572	140
21	✓			586	585	591	592	588	588	595	617	655	695	727	738	734	711	675	641	617	604	594	588	582	579	577	574	626	0	11	23 744	23	32 574	170
22	✓			574	581	588	586	588	590	597	613	641	674	712	739	740	704	653	624	607	599	594	591	590	591	590	591	623	0	11	50 758	0	50 572	186
23	✓	✓		591	588	589	592	592	592	596	600	616	642	666	696	700	682	662	639	624	609	603	595	594	594	592	591	619	0	11	54 707	1	44 587	120
24	✓			590	593	597	602	605	608	614	614	632	650	688	715	718	696	669	643	622	610	600	595	591	587	588	594	626	0	12	38 726	21	12 586	140
25				595	599	600	603	606	608	611	630	653	689	726	733	745	765	710	661	629	604	594	585	589	594	595	597	638	1	13	47 809	19	54 579	230
26				599	600	604	605	601	604	600	604	625	659	668	686	699	689	668	(646)	632	616	604	598	594	598	595	593	624	0	13	03 702	23	28 590	112
27				598	608	619	616	604	597	607	612	622	662	665	705	723	725	688	650	617	597	588	581	585	583	585	597	626	0	13	23 735	19	06 580	155
28				589	584	591	594	593	593	595	610	632	670	703	726	720	694	655	622	606	605	599	596	594	597	596	592	623	0	11	52 743	1	48 583	160
29				593	595	596	597	598	598	609	630	657	693	718	733	724	694	670	645	627	610	597	577	548	528	568	557	623	0	11	38 745	21	34 518	227
30			✓	565	577	590	583	576	582	600	626	664	707	703	716	727	646	635	583	592	588	575	573	570	566	568	572	612	1	12	53 777	0	00 558	219
31				570	573	572	575	576	578	588	609	631	658	680	697	687	669	631	596	594	592	587	583	579	576	577	579	607	0	11	28 708	0	29 568	140
MEANS ALL DAYS				584	587	590	592	592	594	604	618	639	667	684	698	696	677	652	625	609	598	591	586	584	583	584	584	617						145
MEANS TEN DAYS ✲				587	588	589	591	592	596	604	616	638	664	687	698	693	676	653	632	618	605	597	593	592	590	590	590	620						126
MEANS FIVE DAYS † (G. M. T.)				589	590	591	593	594	598	605	615	632	657	673	682	678	666	652	636	622	608	592 599	590 594	589	588	588	590	618						
MEANS FIVE DAYS ‡ (G. M. T.)				573	580	585	590	588	588	598	616	635	658	672	694	697	655	639	603	591	586	579	576	568	565	570	568	607						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 49

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

SEPTEMBER 1936 — SEPTEMBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			579	583	583	585	588	590	601	625	657	690	712	722	707	675	652	623	612	599	590	581	573	563	564	571	618	0	11	22 728	22	00 561	167
2				579	583	586	586	586	588	589	612	669	699	733	752	733	694	644	611	599	596	592	589	588	587	586	583	624	0	11	17 760	0	14 576	184
3	✓	✓		585	587	588	588	589	592	606	635	679	733	779	777	757	725	678	634	606	599	595	592	585	582	576	578	635	0	10	57 789	22	20 574	215
4				579	577	582	585	590	593	608	642	689	740	769	772	742	715	679	636	605	579	575	571	565	559	558	566	628	0	11	17 779	22	18 556	223
5				567	574	578	581	583	582	584	611	656	703	739	751	736	684	644	611	593	594	590	586	577	565	563	576	618	0	11	23 761	22	09 559	202
6	✓			577	579	583	584	585	585	583	599	633	675	711	726	719	694	669	643	617	601	594	592	590	590	589	589	621	0	11	20 729	0	20 576	153
7	✓	✓		590	591	593	593	595	595	593	615	654	701	730	741	734	712	676	646	625	613	608	604	601	599	597	597	633	0	11	20 747	0	00 590	157
8				595	593	596	596	596	600	600	617	655	701	741	746	737	711	668	625	597	590	588	582	581	586	583	583	628	0	10	48 754	20	09 577	177
9				583	583	593	590	593	595	591	612	647	657	672	700	716	681	658	644	617	597	588	588	585	572	563	561	616	0	12	13 731	23	11 555	176
10				574	579	583	585	584	584	602	619	631	657	660	653	669	682	666	625	601	585	579	578	578	577	578	572	608	0	13	44 694	23	58 568	126
11			✓	567	567	572	577	585	591	599	609	633	639	655	644	638	648	648	619	595	577	568	566	566	563	572	558	598	1	10	56 696	23	50 555	141
12				557	566	572	573	577	577	587	608	639	667	693	702	691	665	641	610	592	581	575	574	576	572	569	569	606	0	11	31 710	0	00 556	154
13	✓	✓		575	581	583	584	585	586	595	622	665	712	746	773	769	736	688	639	605	590	588	584	581	580	578	576	630	0	12	03 779	0	00 568	211
14	✓			579	577	578	581	584	584	594	616	663	717	733	742	722	700	663	638	614	600	593	583	578	577	588	585	625	0	11	34 748	21	10 575	173
15				582	581	583	585	586	585	586	601	630	664	695	719	720	674	634	605	595	586	582	584	585	584	583	584	613	0	12	07 731	1	52 579	152
16	✓	✓		585	586	586	588	589	589	593	622	665	712	753	776	765	720	680	640	613	602	597	591	588	583	579	579	633	0	12	07 784	22	57 577	207
17				581	586	589	590	591	590	583	594	637	686	730	752	737	699	653	622	613	621	615	611	609	604	599	595	629	1	11	42 754	0	00 579	175
18				592	595	590	595	595	588	558	544	588	664	738	763	747	708	666	634	621	614	594	591	590	586	586	586	622	1	11	48 776	7	19 533	243
19	✓			586	585	588	592	593	592	591	606	653	709	758	779	775	730	679	648	628	616	607	602	597	592	589	586	637	0	11	29 793	0	43 582	211
20	✓			586	588	588	590	591	589	583	603	664	725	775	774	772	741	695	655	631	613	603	599	597	596	594	593	639	0	10	20 794	6	27 581	213
21				595	598	597	597	602	602	609	622	664	717	758	767	745	706	667	640	624	608	599	597	598	596	593	591	637	0	10	36 770	23	04 588	182
22				595	593	602	604	605	599	595	631	680	731	768	753	723	683	669	648	624	624	613	600	600	590	575	564	636	1	10	35 778	23	50 553	225
23			✓	554	572	568	571	574	581	596	619	665	668	681	703	702	684	667	645	616	588	578	576	574	566	566	571	612	0	12	08 724	0	32 548	176
24	✓			571	569	572	575	574	573	576	598	640	686	709	700	683	668	652	634	611	593	579	577	579	579	577	577	610	0	11	59 718	2	04 566	152
25		✓		577	578	581	584	586	588	598	626	671	715	741	757	750	723	693	665	630	606	596	576	575	577	572	550	630	0	11	34 764	24	00 541	223
26			✓	546	561	557	575	572	568	564	577	607	606	636	646	649	604	597	588	575	555	554	559	561	563	565	564	581	1	12	09 665	0	07 539	126
27			✓	565	566	570	585	599	599	588	614	664	712	728	723	698	676	658	645	628	604	583	576	576	575	572	570	620	1	10	35 768	0	00 563	205
28				572	574	573	575	577	579	597	614	677	744	780	794	771	723	672	636	602	591	583	568	565	553	559	562	627	0	11	39 800	22	00 550	250
29			✓	559	559	569	572	579	581	578	609	661	715	790	766	758	708	656	618	602	586	580	577	576	572	572	572	621	1	10	11 818	1	07 555	263
30				572	572	573	575	576	572	574	610	672	733	778	775	738	699	651	624	605	586	(572)	566	559	552	546	548	618	0	10	58 792	22	43 545	247
31																																		
MEANS ALL DAYS				577	579	582	585	587	587	590	611	654	696	730	738	727	696	662	632	610	596	589	584	582	578	576	575	622						190
MEANS TEN DAYS ✲				581	583	584	586	587	588	592	614	657	706	741	751	740	710	673	640	616	603	595	590	587	584	583	583	628						186
MEANS FIVE DAYS (G. M. T.) †				582	585	586	587	589	590	597	624	667	715	750	765	755	723	683	645	616	602	584 597	583 589	584	582	581	580	632						
MEANS FIVE DAYS (G. M. T.) ‡				558	565	567	576	582	584	585	606	646	668	698	696	689	664	645	623	603	582	573	576	576	572	570	562	607						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 50

HORIZONTAL INTENSITY

OCTOBER 1936

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			553	557	564	568	570	569	566	601	665	729	775	786	764	690	631	612	603	594	584	581	581	578	576	577	620	0	11	29 792	0	00 552	240
2	✓	✓		575	576	578	579	581	579	575	606	665	724	766	758	748	715	673	639	617	601	593	592	590	581	577	579	628	0	10	56 778	6	04 571	207
3	✓	✓		578	580	584	584	583	584	579	598	655	713	756	766	758	728	687	644	617	601	588	579	577	580	581	578	628	0	12	11 774	6	32 575	199
4	✓			577	580	583	586	585	586	591	623	675	739	785	804	782	746	701	652	623	611	597	595	592	584	577	575	640	0	11	25 811	23	05 574	237
5				577	581	584	594	597	595	599	632	669	729	779	780	765	703	617	585	571	555	550	546	541	534	538	542	615	0	10	29 793	21	59 531	262
6				543	548	556	561	569	571	570	596	662	735	774	778	783	723	680	633	593	563	558	556	565	568	566	567	617	0	12	07 801	0	50 541	260
7				567	572	570	572	578	567	556	576	653	718	761	743	750	721	694	619	581	561	546	556	555	553	537	541	610	0	10	27 782	22	52 533	249
8				556	557	559	559	559	557	558	584	633	697	702	708	709	712	668	635	605	588	578	573	572	569	566	565	607	0	10	43 727	0	14 541	186
9				565	563	573	581	581	586	587	607	647	690	710	698	701	693	623	611	581	570	565	552	537	528	535	531	601	1	12	37 733	23	59 507	226
10			✓	535	536	531	532	553	539	524	552	597	643	673	678	676	665	661	615	589	563	555	552	555	552	552	552	582	1	11	10 710	0	00 507	203
11				550	552	555	557	557	561	572	604	646	695	705	700	664	648	642	639	623	603	587	578	576	574	572	571	605	1	11	18 726	0	54 550	176
12	✓			571	570	570	569	574	581	597	634	682	707	719	718	697	675	654	636	619	604	589	584	583	581	577	576	619	0	11	24 728	3	30 568	160
13				577	588	586	588	590	590	600	630	688	733	751	749	686	665	652	636	624	606	594	588	585	584	581	579	627	0	11	30 763	0	00 574	189
14				579	581	584	585	592	588	602	646	695	724	721	717	666	653	640	638	622	605	598	588	569	557	552	557	619	0	11	08 769	22	43 547	222
15				557	570	566	567	569	581	579	623	691	738	746	748	725	682	644	614	579	572	574	577	579	572	566	569	616	0	10	24 760	0	31 549	211
16			✓	570	561	573	572	576	580	589	624	681	725	787	790	701	626	522	524	561	521	488	458	475	461	456	454	578	1	10	59 852	22	57 444	408
17			✓	489	523	530	518	523	531	543	583	636	649	685	694	679	658	652	618	588	574	573	566	562	557	555	552	585	1	11	30 708	0	00 463	245
18				561	555	552	564	565	557	564	597	650	713	758	771	759	717	668	622	590	577	570	565	562	561	561	557	613	0	11	28 782	1	57 543	239
19				557	561	563	565	565	563	559	587	632	677	759	780	736	703	662	607	570	572	575	563	534	536	543	552	605	1	11	38 806	20	44 521	285
20				555	555	558	559	559	557	552	587	660	713	758	752	710	663	621	609	597	583	571	563	565	566	566	561	606	0	10	30 782	6	14 547	235
21	✓			559	561	570	566	566	567	575	607	656	700	716	719	716	687	660	629	605	595	588	583	580	577	577	575	614	0	10	39 743	0	00 558	185
22	✓	✓		572	572	574	577	583	578	566	586	640	692	734	752	751	733	688	642	615	602	590	588	586	580	579	579	623	0	11	40 756	6	36 563	193
23				579	580	581	584	591	594	590	622	669	717	748	755	756	743	661	620	582	552	549	557	556	557	563	568	620	0	11	18 774	18	00 541	233
24			✓	574	575	579	581	580	581	574	551	556	619	740	732	687	613	565	597	577	562	563	555	553	554	555	554	591	1	12	04 825	8	39 504	321
25				558	559	560	566	563	561	558	582	627	673	678	710	705	684	655	623	598	579	572	567	567	567	566	567	602	1	10	01 728	0	03 554	174
26				565	564	566	566	568	568	573	595	660	706	739	747	725	698	662	641	615	597	586	580	578	576	575	572	618	0	11	52 756	5	54 563	193
27	✓	✓		574	575	574	577	578	577	581	610	649	682	704	713	715	708	681	654	621	602	590	586	582	581	579	579	620	0	11	11 726	2	06 572	154
28	✓	✓		581	581	581	575	576	580	585	605	669	727	742	743	727	691	654	631	613	600	595	590	586	585	585	583	624	0	11	16 761	4	00 571	190
29	✓			576	577	581	586	592	597	616	640	687	749	751	739	734	706	671	643	619	596	587	581	581	574	577	572	630	0	9	47 776	23	50 570	206
30				572	577	576	576	579	590	615	652	693	718	729	721	700	659	640	631	619	604	592	585	606	615	593	602	627	0	10	59 746	0	07 570	176
31			✓	590	581	600	581	568	549	505	568	595	638	672	705	688	664	629	588	562	548	546	540	535	535	534	533	586	1	11	06 763	6	56 479	284
MEANS ALL DAYS				564	567	570	571	573	573	574	603	654	704	736	740	721	689	650	622	599	583	574	569	567	564	562	562	612						224
MEANS TEN DAYS ✲				572	573	576	577	579	580	583	611	664	716	745	750	739	708	670	638	615	601	590	586	584	580	578	577	625						197
MEANS FIVE DAYS † (G. M. T.)				576	577	578	578	580	580	577	601	656	708	740	746	740	715	677	642	617	601	588 591	584 587	582	579	577	576	624						
MEANS FIVE DAYS ‡ (G. M. T.)				552	555	563	557	560	556	547	576	613	655	711	720	686	645	606	588	575	554	545	546	551	547	543	545	587						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 51

HORIZONTAL INTENSITY

NOVEMBER 1936 — NOVEMBER 1936

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			533	533	538	544	546	543	550	587	656	718	765	751	710	674	633	596	592	580	565	563	560	559	560	559	601	0	10	55 777	0	56 531	246
2				560	561	562	561	563	561	561	595	662	756	794	813	787	748	679	629	601	587	583	574	563	552	545	552	623	1	9	26 843	24	00 540	303
3			✓	532	528	526	528	544	550	550	577	639	692	713	699	712	690	637	602	544	536	521	531	535	511	503	515	580	1	10	01 744	22	37 500	244
4				524	520	529	533	539	533	522	531	584	653	676	684	691	676	653	628	605	581	559	534	530	540	544	551	580	0	12	30 696	1	17 518	178
5				551	545	542	552	564	564	578	604	660	696	723	733	709	687	656	632	592	579	572	570	565	566	567	569	607	0	11	32 753	2	17 540	213
6				572	566	564	559	565	570	573	594	632	650	689	749	719	687	679	648	606	566	559	564	565	566	568	566	607	0	11	23 776	3	29 556	220
7				561	556	557	561	561	559	559	569	610	634	639	620	651	652	641	619	593	561	559	559	561	559	562	559	586	0	12	19 679	7	06 548	131
8				555	556	556	559	563	570	583	608	646	692	713	685	671	629	637	630	615	570	560	547	534	536	522	539	595	0	10	06 723	22	22 501	222
9				548	543	556	563	566	571	582	601	608	615	624	589	596	613	619	636	631	603	588	584	580	572	569	567	588	1	10	40 646	1	53 541	105
10				572	571	572	568	575	580	606	651	694	712	708	701	731	667	636	606	591	581	576	570	561	561	571	568	614	1	12	04 824	20	55 557	267
11			✓	561	573	572	575	570	568	570	598	632	666	667	680	649	600	558	546	552	545	545	539	535	532	532	527	579	1	11	08 703	23	23 524	179
12				539	543	543	546	553	554	561	600	665	698	721	703	697	636	615	607	597	593	584	580	568	565	564	562	600	0	10	39 743	0	00 532	211
13	✓	✓		562	561	560	561	566	572	592	637	699	746	766	741	699	664	643	627	613	597	578	568	561	555	561	567	616	0	10	43 772	21	35 554	218
14	✓			566	568	568	569	572	577	583	618	680	731	735	735	691	670	657	636	643	602	586	579	572	576	583	588	620	0	11	12 751	0	08 565	186
15			✓	585	580	585	567	574	575	583	620	670	631	577	616	652	659	652	625	575	575	555	557	558	557	559	568	594	1	8	49 725	10	14 528	197
16			✓	573	574	572	570	568	568	593	613	642	675	731	685	702	673	640	599	584	577	577	575	570	568	570	571	607	1	10	39 751	5	28 562	189
17				568	570	566	572	570	572	597	634	682	728	740	755	698	665	638	604	581	574	568	566	561	568	581	571	614	0	11	43 764	20	30 561	203
18				570	565	572	575	568	574	589	625	675	733	748	732	718	679	649	615	583	570	564	564	564	563	565	572	614	0	10	21 765	18	44 559	206
19				565	563	563	565	569	567	573	623	678	720	761	760	730	702	659	625	613	597	590	590	575	579	575	572	621	0	10	58 774	2	02 559	215
20	✓			572	565	564	564	573	572	575	591	629	660	681	679	674	637	629	616	595	579	575	581	574	568	568	570	600	0	10	02 699	3	30 561	138
21	✓			569	568	568	572	576	577	579	602	629	653	685	704	694	682	659	627	599	586	586	584	581	576	571	569	608	0	11	55 715	1	51 567	148
22	✓	✓		570	572	577	576	577	579	588	602	631	656	679	674	675	656	634	616	604	595	590	585	581	577	573	575	606	0	10	38 693	0	41 569	124
23	✓	✓		578	576	574	574	578	581	591	620	661	686	697	690	659	629	613	603	602	597	591	588	586	583	581	581	609	0	10	37 713	3	28 573	140
24	✓	✓		584	585	586	586	591	597	604	627	647	688	711	687	675	649	630	619	612	602	599	595	590	588	587	588	618	0	10	32 719	0	00 581	138
25	✓	✓		583	584	580	584	585	597	615	645	677	718	714	700	695	683	672	648	624	604	597	593	590	590	588	591	627	0	9	57 744	2	19 578	166
26				590	586	589	591	598	606	621	659	696	709	728	676	655	616	570	553	590	596	591	584	578	576	579	581	613	1	11	00 773	15	12 537	236
27	✓			582	581	581	579	577	589	614	640	676	701	707	698	670	641	621	611	614	605	599	595	592	592	591	590	619	0	10	06 712	3	57 575	137
28				588	586	586	586	591	608	638	682	720	766	770	740	684	650	620	614	618	613	629	593	534	537	478	500	622	0	10	09 801	23	55 444	357
29			✓	479	452	469	452	505	483	542	592	650	666	675	631	587	554	525	527	529	532	529	526	524	524	527	527	542	2	8	59 703	2	02 440	263
30				526	526	524	525	531	543	560	600	654	707	747	737	705	665	614	576	564	562	559	550	546	543	544	547	590	0	10	35 763	2	14 523	240
31																																		
MEANS ALL DAYS				561	559	560	561	566	569	581	612	656	692	709	702	686	658	632	611	595	582	574	570	563	561	560	562	603						201
MEANS TEN DAYS *				570	569	570	571	574	578	589	617	658	696	714	706	684	658	639	620	610	595	587	583	579	576	576	578	612						164
MEANS FIVE DAYS (G. M. T.) †				575	576	575	576	579	585	598	626	663	699	713	698	681	656	638	623	611	599	590 591	586 586	581	578	575	575	615						
MEANS FIVE DAYS (G. M. T.) ‡				546	541	545	538	552	549	568	600	647	666	673	662	660	635	602	580	557	553	545	575	558	557	547	555	584						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 52

HORIZONTAL INTENSITY

DECEMBER 1936

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				542	544	543	542	545	545	564	620	670	695	721	713	689	664	630	600	574	564	564	561	561	561	566	563	598	0	10 59	738	1 57	540	198
2				559	557	557	566	577	582	589	611	660	687	715	731	733	695	668	629	590	568	566	563	561	554	546	541	609	0	11 43	738	22 40	539	199
3				545	544	547	552	559	561	563	581	650	693	726	715	745	713	655	627	600	588	577	572	574	571	572	595	609	0	12 37	762	0 00	543	219
4			✓	592	576	583	571	568	575	573	558	579	640	752	702	746	737	696	651	609	581	575	568	568	566	564	566	612	1	10 49	831	8 40	530	301
5				564	564	566	568	561	574	579	590	630	672	718	746	748	759	706	677	632	578	572	570	567	570	569	564	618	0	13 31	776	4 32	557	219
6				567	570	570	570	575	574	564	568	608	637	687	701	709	669	626	615	600	585	577	581	571	566	568	570	601	0	11 58	731	6 37	553	178
7				570	570	570	572	575	579	582	588	613	651	673	684	647	675	631	606	597	589	579	576	572	570	570	568	600	0	10 53	709	23 00	566	143
8				570	569	568	567	570	568	568	581	604	637	668	678	693	696	668	629	605	588	585	585	580	579	577	575	604	0	13 00	725	6 03	563	162
9	✓	✓		574	575	571	566	568	568	579	609	640	678	679	705	705	712	683	643	604	579	581	588	588	586	581	581	614	0	13 25	721	3 23	564	157
10	✓	✓		584	583	581	586	588	587	580	568	572	583	595	640	665	675	680	660	626	595	584	581	582	583	583	581	602	0	14 07	685	7 47	560	125
11	✓			577	577	575	572	573	577	584	595	616	647	668	670	657	631	616	609	602	600	592	588	582	577	581	584	602	0	11 22	675	3 50	570	105
12			✓	589	586	582	582	584	600	617	642	685	667	680	654	662	652	637	624	607	597	607	606	611	606	589	586	619	1	8 46	724	23 12	570	154
13			✓	586	592	586	584	591	597	622	633	657	665	674	677	651	649	616	611	604	587	598	597	595	591	588	584	614	1	11 17	686	0 16	579	107
14				577	582	581	583	584	586	601	627	660	679	718	672	665	653	638	613	595	591	591	590	591	590	590	586	614	0	10 53	745	0 37	574	171
15				583	582	582	581	581	590	605	618	661	690	718	711	672	643	619	616	614	615	606	600	597	595	595	595	620	0	10 44	733	4 03	579	154
16	✓			595	599	592	593	595	600	616	640	669	696	710	669	643	621	614	604	602	601	598	595	594	593	590	590	617	0	10 03	718	23 52	588	130
17	✓			588	590	590	591	593	599	610	631	647	670	696	706	688	672	646	628	611	600	589	587	587	581	583	585	620	0	11 20	723	21 39	579	144
18	✓			584	583	582	586	588	594	608	634	661	689	718	705	687	665	632	606	602	597	591	588	588	586	588	588	619	0	10 36	727	2 56	580	147
19	✓	✓		588	589	590	591	589	589	595	619	664	727	771	782	764	726	675	641	611	601	599	597	594	590	588	586	636	0	11 03	786	23 58	585	201
20				587	589	590	590	588	591	604	617	640	656	699	745	748	713	669	629	603	596	585	579	576	570	568	570	621	0	12 26	757	22 20	566	191
21				575	578	578	584	584	589	605	620	664	713	732	760	724	684	673	651	623	602	595	592	592	586	585	581	628	0	11 41	774	0 03	572	202
22	✓	✓		583	585	585	587	588	590	590	597	633	683	728	736	731	688	650	629	615	600	590	586	587	583	581	583	621	0	10 50	762	22 05	579	183
23	✓			584	577	576	575	578	584	585	599	636	684	725	692	672	660	646	620	608	590	572	572	575	572	569	565	609	0	10 10	735	24 00	563	172
24	✓	✓		565	571	572	572	575	583	593	602	633	648	656	648	648	648	644	629	615	601	592	590	588	585	583	581	605	0	10 32	660	0 07	563	97
25				579	580	579	581	583	592	612	626	656	698	730	708	670	657	605	600	592	597	604	603	601	599	595	588	618	0	10 40	742	0 45	578	164
26				585	584	582	584	594	603	622	657	699	742	757	728	685	621	571	562	584	605	608	604	600	597	604	600	624	0	10 19	776	14 53	552	224
27			✓	594	578	571	570	569	582	603	644	692	706	770	739	681	620	578	549	563	560	567	543	529	503	496	499	596	1	10 22	794	23 21	479	315
28			✓	511	492	534	526	523	516	525	549	644	650	594	637	569	545	539	525	524	533	531	530	527	528	524	525	546	1	11 38	681	1 31	483	198
29				531	526	525	528	526	542	559	603	659	719	743	706	662	590	548	526	543	556	558	555	553	552	550	549	580	0	10 21	759	15 12	522	237
30				546	546	541	542	547	559	583	629	709	775	821	842	803	720	610	507	506	533	562	569	567	566	570	568	613	0	11 30	858	15 58	490	368
31				567	565	561	561	557	557	566	599	672	760	811	809	761	680	600	551	548	557	574	582	581	578	577	574	614	0	10 04	831	15 56	537	294
MEANS ALL DAYS				572	571	571	572	573	578	589	608	648	682	711	710	694	669	634	609	594	585	583	581	579	575	574	573	610						189
MEANS TEN DAYS *				582	583	581	582	584	587	594	609	637	670	695	695	686	670	649	627	610	596	589	587	586	584	583	582	615						146
MEANS FIVE DAYS (G. M. T.) †				579	581	580	580	582	583	587	599	628	664	686	702	703	690	666	640	614	595	585 589	585 588	585	582	580	578	615						
MEANS FIVE DAYS (G. M. T.) ‡				574	565	571	567	567	574	588	605	651	666	694	682	662	641	613	592	581	572	576	583	579	571	568	573	601						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 53

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1936 — JANUARY 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			142	142	143	144	144	144	147	150	150	(147	138	129)	122	125	137	125	124	128	130	137	138	140	140	140	138	0	7 55	151	12 35	121	30
2	✓			141	141	142	142	143	147	154	157	151	140	139	131	126	132	132	124	117	122	128	137	140	141	141	141	138	0	7 08	158	16 40	114	44
3	✓	✓		141	141	142	143	144	144	147	155	158	157	155	150	139	132	130	128	126	131	135	143	144	144	144	143	142	0	8 38	159	16 10	125	34
4	✓	✓		142	142	142	143	144	146	151	161	161	157	157	154	140	128	132	129	125	127	135	140	141	142	143	142	143	0	8 06	163	16 20	125	38
5	✓			142	141	142	142	142	140	138	135	132	135	141	136	132	128	117	105	110	125	133	141	141	142	142	141	134	0	10 24	143	15 53	102	41
6	✓	✓		141	141	140	139	140	139	143	150	147	146	151	159	162	152	142	135	134	132	134	139	140	140	139	139	143	0	12 46	165	17 59	131	34
7	✓	✓		138	139	139	141	142	141	141	141	132	138	150	152	149	142	136	134	130	130	135	139	139	139	140	138	139	0	10 58	154	17 14	128	26
8			✓	138	137	137	139	141	140	143	147	148	148	157	165	154	158	154	145	138	135	136	140	140	140	140	139	144	1	11 29	170	17 04	133	37
9				138	139	140	141	142	142	151	163	160	150	141	144	149	157	161	153	143	138	138	139	139	138	137	137	145	0	7 40	165	23 50	136	29
10				136	136	139	140	141	145	150	157	161	162	157	152	146	146	157	150	136	132	135	139	140	139	139	140	145	1	8 50	166	17 37	130	36
11				140	140	141	142	146	146	142	146	146	144	139	131	134	139	140	140	139	137	138	142	140	140	141	140	141	0	8 17	147	11 47	129	18
12				139	139	140	142	143	145	146	153	150	152	134	131	124	128	129	131	135	136	139	140	139	137	138	139	139	0	7 32	154	12 44	122	32
13				138	137	137	140	143	142	148	156	155	148	136	133	136	145	150	144	136	133	137	138	137	138	139	139	141	1	7 23	159	17 16	130	29
14				139	139	140	141	142	143	145	149	149	144	137	119	115	119	118	115	123	124	129	135	137	138	138	138	134	0	8 10	151	12 00	112	39
15	✓			140	139	139	143	144	144	143	153	151	146	140	129	123	128	129	129	131	133	136	140	139	139	139	139	138	0	7 53	156	12 40	120	36
16	✓	✓		138	139	140	141	143	143	140	136	132	136	138	147	144	140	137	137	135	135	135	139	139	138	139	138	139	0	11 52	148	8 40	131	17
17	✓			136	136	137	137	140	142	142	145	144	141	135	136	133	131	124	113	111	120	130	136	137	137	135	135	134	0	7 13	146	15 59	108	38
18			✓	134	136	136	136	140	143	143	147	148	148	152	145	143	134	132	132	123	122	128	137	137	138	139	139	138	1	10 03	154	17 27	121	33
19				138	138	138	140	141	141	135	129	125	120	121	125	126	135	122	118	121	129	135	139	139	141	141	142	132	1	4 46	142	15 40	116	26
20				140	139	137	139	142	142	140	145	149	151	150	148	136	126	127	122	119	125	132	136	138	140	141	142	138	0	9 36	152	16 17	117	35
21				142	141	142	142	144	144	141	143	143	134	143	145	136	131	130	136	139	139	136	138	140	140	142	143	140	1	10 42	147	14 19	127	20
22				143	143	143	143	143	141	145	153	151	150	156	162	157	154	151	147	142	136	136	141	142	143	143	143	146	0	11 23	164	17 51	134	30
23				143	144	143	143	144	144	143	147	147	147	153	154	148	142	132	138	142	141	140	140	139	141	144	142	143	0	11 10	155	14 30	129	26
24			✓	140	141	142	143	145	144	142	145	142	143	145	150	142	144	149	167	155	138	137	142	143	142	140	140	144	1	15 46	171	17 14	134	37
25			✓	140	141	141	141	142	143	142	148	148	143	144	143	134	130	129	133	136	132	132	135	138	140	141	140	139	1	8 23	151	14 47	127	24
26			✓	141	142	143	142	144	147	145	153	144	135	129	128	129	126	133	139	127	134	134	137	138	140	141	140	138	1	7 24	155	16 15	123	32
27				141	142	141	143	143	144	149	160	155	153	154	150	139	133	119	119	128	129	130	137	139	138	139	139	140	0	7 40	162	15 20	118	44
28				139	140	142	143	145	146	148	149	144	135	130	126	117	122	130	141	141	134	133	138	141	141	141	141	138	1	7 10	152	12 44	115	37
29				142	142	142	143	145	146	147	152	147	141	133	126	120	124	123	120	124	130	132	139	142	142	142	142	137	0	7 20	153	12 40	119	34
30				140	141	143	145	146	148	153	163	159	146	140	127	122	123	124	123	123	127	130	136	139	141	141	141	138	0	7 54	164	12 23	121	43
31				141	142	142	144	145	148	149	156	155	146	135	125	116	120	128	130	131	133	136	140	144	144	144	143	139	0	7 46	157	12 35	114	43
MEANS ALL DAYS				140	140	140	142	143	144	145	150	148	145	143	140	135	135	134	132	130	131	134	139	140	140	140	140	140						33
MEANS TEN DAYS ✻				140	140	141	142	143	143	145	148	146	144	144	142	137	134	132	126	124	128	133	139	140	140	140	140	139						34
MEANS FIVE DAYS † (G. M. T.)				140	140	141	141	143	143	144	149	146	147	150	152	147	139	135	133	130	131	133 135	140 140	141	141	141	141	141						
MEANS FIVE DAYS ‡ (G. M. T.)				139	139	140	140	142	143	143	148	146	143	145	146	140	138	139	143	136	132	133	138	139	140	140	139	141						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
{ } = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 54

VERTICAL INTENSIT

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1936

FEBRUARY 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		142	141	142	144	146	147	149	158	155	147	144	143	148	151	148	137	132	133	135	139	142	143	145	146	144	0	7 42	159	16 30	131	28
2				145	144	144	145	146	146	145	152	151	146	145	143	136	141	144	142	137	139	136	141	142	143	143	143	143	1	8 37	154	12 30	134	20
3				144	143	145	145	146	147	145	145	142	140	137	135	138	140	134	136	136	136	137	141	142	140	140	141	141	0	7 20	148	14 44	131	17
4				141	141	142	143	145	147	147	155	148	145	140	136	134	133	129	124	127	130	135	138	140	140	140	139	139	0	7 39	158	15 53	124	34
5	✓	✓		140	140	142	143	145	145	139	136	128	116	115	125	133	147	152	149	143	135	136	139	140	141	141	142	138	0	14 30	153	10 00	111	42
6	✓			141	140	141	143	145	144	143	143	136	130	125	123	122	123	126	129	131	135	137	139	141	141	141	142	136	0	7 00	145	13 00	122	23
7	✓	✓		142	141	143	144	146	146	142	138	132	127	126	126	132	139	142	142	140	134	134	137	138	139	141	141	138	0	5 20	146	9 50	124	22
8	✓			141	140	141	144	145	144	146	159	160	154	137	127	126	129	123	131	136	134	134	139	139	140	142	141	140	0	8 00	162	14 30	120	42
9				140	141	143	143	145	148	147	147	141	128	120	111	102	102	108	114	122	127	132	135	137	137	138	138	131	1	6 54	151	12 47	97	54
10				136	138	140	142	143	144	144	150	149	145	141	143	142	140	146	147	145	143	140	141	141	139	139	140	142	1	7 24	153	0 17	135	18
11				141	141	142	143	146	147	148	155	156	150	143	135	128	(122)	121	124	128	129	132	138	141	141	141	142	139	0	8 10	158	[14 10	120	38]
12	✓			142	142	143	144	146	147	147	145	141	136	133	130	124	128	125	126	131	137	134	139	141	142	142	142	138	0	5 50	148	14 38	123	25
13	✓	✓		141	141	141	144	146	146	150	164	171	166	161	155	148	150	149	139	140	138	135	140	141	143	142	142	147	0	8 15	172	18 20	134	38
14				142	143	143	144	147	147	152	159	158	151	134	125	128	126	122	119	120	123	130	137	139	138	139	140	138	1	7 50	162	15 34	117	45
15				140	141	141	142	144	145	144	150	149	146	137	136	135	137	131	128	129	133	133	138	140	141	141	141	139	1	7 26	152	16 10	126	26
16			✓	141	141	142	144	145	147	146	166	170	163	152	140	127	128	130	125	127	133	137	140	139	141	141	142	142	1	9 00	172	12 55	123	49
17			✓	142	143	144	147	147	145	146	152	157	156	155	149	148	148	141	134	122	120	130	137	139	141	143	144	143	1	10 00	159	17 10	118	41
18				143	143	145	145	145	146	142	144	141	145	149	148	149	(151)	145	137	130	129	132	137	140	141	141	142	142	0	[13 13	152]	17 02	129	[23]
19			✓	144	144	144	146	146	147	146	154	164	164	157	143	146	149	145	138	128	122	131	137	138	138	140	141	144	1	8 10	167	17 20	121	46
20				142	142	143	144	145	145	143	145	142	133	128	127	127	127	127	127	126	128	131	137	141	141	141	139	136	0	7 22	146	14 50	125	21
21			✓	141	141	142	143	145	146	148	148	141	135	132	124	118	117	123	119	118	124	134	138	138	142	140	140	135	1	7 17	152	13 14	114	38
22			✓	140	142	142	145	145	143	142	143	139	132	131	131	133	137	136	132	128	128	134	138	139	138	139	141	137	1	4 18	146	17 17	126	20
23				141	143	143	145	145	146	146	148	143	145	142	135	134	128	118	121	125	128	130	136	136	137	139	141	137	0	7 15	150	14 44	116	34
24	✓			142	143	144	145	146	146	143	146	145	139	134	127	130	132	134	134	134	134	137	141	141	141	143	144	139	0	7 50	148	11 30	125	23
25				143	142	143	146	146	147	145	141	134	131	123	117	125	128	126	126	131	138	134	136	138	140	141	140	136	0	5 33	148	11 30	115	33
26				142	142	143	145	146	149	152	157	157	147	141	136	130	128	124	127	133	132	135	139	141	141	142	143	140	0	8 18	159	15 00	123	36
27				144	145	146	146	148	149	150	156	153	152	150	148	141	135	126	121	119	125	134	141	142	144	144	144	142	1	7 08	159	15 53	118	41
28	✓	✓		144	145	145	146	147	148	147	150	147	143	138	131	137	141	141	138	136	132	135	141	142	143	144	144	142	0	7 36	151	11 48	130	21
29	✓			143	144	146	147	149	151	150	152	154	148	142	144	142	141	135	132	132	134	138	143	144	143	143	142	143	0	7 48	154	15 40	131	23
30																																		
31																																		
MEANS ALL DAYS				142	142	143	144	146	146	146	150	148	143	138	134	133	134	133	131	131	131	134	139	140	141	141	142	140						32
MEANS TEN DAYS ✻				142	142	143	144	146	146	146	149	147	141	136	133	134	138	138	136	136	135	136	140	141	142	142	143	140						29
MEANS FIVE DAYS † (G. M. T.)				142	142	143	144	146	146	145	149	147	140	137	136	140	146	146	141	138	134	135 135	139 139	142	142	142	142	142						
MEANS FIVE DAYS ‡ (G. M. T.)				142	142	143	145	146	146	146	153	154	150	145	137	134	136	135	130	125	125	133	138	140	141	141	141	140						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 55

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MARCH 1936 — MARCH 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			142	142	144	146	148	149	145	140	136	132	131	128	127	126	124	124	129	134	137	142	143	144	145	145	138	0	5	18	14	40	27
2	✓			145	146	145	147	149	150	146	145	144	143	148	150	144	144	140	132	(128	129)	138	142	143	142	144	144	143	0	11	16	[16	07	26]
3	✓	✓		144	145	146	146	147	148	146	139	136	135	137	134	128	128	131	132	132	135	137	141	142	143	143	144	139	0	5	53	13	20	23
4	✓	✓		144	144	146	147	148	149	147	145	141	137	140	138	138	141	139	135	133	137	142	142	142	143	145	144	142	0	5	40	16	10	18
5	✓			145	146	148	148	150	150	151	152	148	144	147	148	149	150	147	142	140	139	143	144	143	143	144	145	146	1	7	13	17	38	17
6				145	145	148	149	150	152	152	155	151	138	125	126	130	135	132	125	125	129	138	142	143	143	144	143	140	0	7	50	15	41	34
7	✓	✓		144	144	146	148	149	150	148	144	139	136	134	135	141	144	141	137	136	139	143	143	143	143	143	141	142	0	5	20	11	00	18
8				142	144	146	148	150	151	148	147	142	136	130	130	127	130	133	130	132	137	140	140	140	141	143	143	140	1	6	00	12	40	26
9				143	145	147	148	149	150	147	142	139	129	127	128	129	130	128	126	126	130	137	141	142	142	141	141	138	1	5	40	15	30	26
10				143	145	145	148	150	150	151	155	151	145	140	137	141	150	152	144	133	133	141	145	144	144	144	144	145	0	7	30	17	00	26
11	✓	✓		144	146	147	149	150	151	151	150	140	127	124	119	116	118	124	127	131	136	142	144	143	144	144	143	138	0	6	10	12	10	37
12	✓	✓		143	144	146	149	151	151	151	152	148	141	137	131	126	130	138	140	141	145	145	147	146	144	144	145	143	0	7	20	12	30	28
13				145	145	146	148	150	150	147	145	146	143	130	120	119	121	125	133	136	137	140	143	144	145	145	145	140	0	5	03	12	03	33
14				146	147	149	152	151	150	151	152	152	148	144	138	133	137	139	135	129	135	140	142	143	146	147	146	144	0	8	06	16	30	25
15				147	148	150	150	150	150	148	146	141	137	136	132	130	134	140	133	134	139	143	146	147	148	148	147	143	0	3	48	12	38	22
16				149	150	151	151	152	152	151	146	144	142	139	136	129	126	125	125	125	132	140	146	147	145	149	150	142	0	6	07	16	30	29
17				150	151	151	152	152	151	147	142	139	135	133	136	135	132	128	124	124	132	140	145	145	146	147	147	141	0	3	19	16	07	30
18				148	148	149	152	151	150	149	157	162	164	160	150	147	139	139	143	140	142	144	145	146	147	148	148	149	0	8	57	13	44	28
19				150	151	152	153	153	153	152	148	143	140	137	136	137	138	135	136	135	139	143	144	146	147	148	146	144	0	5	51	16	30	21
20			✓	149	150	149	151	153	150	149	151	154	158	152	159	166	171	166	160	150	145	145	146	150	149	148	148	153	1	13	20	17	47	30
21			✓	151	154	154	151	154	155	154	158	162	160	169	172	175	173	164	154	145	143	147	147	147	150	153	149	156	1	12	40	17	20	37
22				150	153	153	153	153	153	148	137	130	131	131	140	148	146	150	138	142	146	149	149	149	147	146	148	145	1	14	12	9	00	24
23			✓	149	149	151	153	153	154	154	141	130	120	115	113	117	123	125	130	130	141	144	144	143	146	145	146	138	1	6	10	11	04	46
24			✓	148	148	149	150	150	149	146	146	134	130	128	124	124	128	131	131	131	138	145	146	147	147	148	149	140	1	3	57	12	14	28
25			✓	149	151	153	153	153	152	153	150	141	137	134	131	128	124	123	123	123	131	141	143	146	148	147	150	141	1	6	41	15	50	35
26				151	151	154	154	154	153	153	148	143	133	123	118	121	121	118	116	119	132	144	145	146	146	146	147	139	1	3	30	15	00	40
27				149	152	151	153	153	152	155	157	151	146	140	136	132	137	136	134	137	142	146	146	147	147	148	150	146	1	7	05	12	00	28
28				151	154	154	154	155	154	158	158	155	152	148	144	141	140	139	143	144	145	146	147	148	148	146	147	149	0	6	53	14	30	20
29	✓			151	151	153	153	154	153	152	148	145	136	135	135	137	133	131	135	137	139	145	147	147	148	148	149	144	0	4	30	14	14	26
30	✓			151	151	153	152	154	154	151	147	142	137	129	125	126	127	128	141	148	146	148	148	149	148	147	149	144	0	5	13	11	28	30
31				150	151	151	153	151	153	154	151	144	139	135	136	137	134	128	124	125	135	144	146	147	147	147	146	143	0	6	40	16	00	32
MEANS ALL DAYS				147	148	149	150	151	151	150	148	144	140	137	135	135	136	135	134	134	137	142	144	145	146	146	146	143						28
MEANS TEN DAYS ✱				145	146	147	148	150	150	149	146	142	137	136	134	133	134	134	134	136	138	142	144	144	144	145	145	142						25
MEANS FIVE DAYS (G. M. T.) †				144	145	146	148	149	150	149	146	141	135	134	131	130	132	135	144	135	138	139 142	143 143	143	143	144	144	141						
MEANS FIVE DAYS (G. M. T.) ‡				149	150	151	152	153	152	151	149	144	141	140	140	142	144	142	140	136	140	144	146	147	147	147	147	146						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 56

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

APRIL 1936

APRIL 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				147	149	151	151	151	152	152	146	143	134	127	125	134	135	136	135	136	140	146	147	145	147	147	147	143	1	6	20	154	11 34	124	30
2				148	152	153	155	155	155	153	148	140	135	130	132	137	134	129	129	129	139	144	146	148	148	148	148	143	0	4	50	155	15 06	126	29
3				148	151	153	153	153	154	151	146	138	131	124	118	124	130	134	135	142	145	147	147	149	148	148	149	142	0	5	57	155	11 42	115	40
4	✓			151	154	157	154	154	155	154	153	150	146	146	150	156	156	149	138	132	137	146	149	149	149	148	147	149	0	12	56	158	16 27	131	27
5	✓	✓		150	151	153	153	154	155	151	142	136	130	128	128	131	133	138	140	142	146	148	147	148	149	147	149	144	0	5	42	156	10 32	127	29
6	✓	✓		151	154	154	154	154	154	155	154	152	145	134	121	119	119	120	125	132	142	147	147	147	148	148	148	143	0	6	34	156	13 02	118	38
7				149	152	153	153	154	154	153	149	143	138	132	128	128	133	135	134	136	143	148	147	148	149	150	150	144	0	4	50	155	11 15	127	28
8				152	151	154	156	153	156	160	163	166	156	138	131	127	135	138	132	134	141	146	146	147	147	147	147	147	1	8	40	167	12 04	121	46
9	✓			151	153	150	155	157	158	161	164	167	163	155	147	143	135	132	134	138	142	145	146	148	149	149	150	150	0	8	53	168	14 38	131	37
10	✓	✓		153	153	154	155	157	157	158	161	159	154	147	140	139	139	134	123	128	138	145	147	148	149	149	150	147	0	7	30	161	15 35	121	40
11				151	153	154	154	154	154	157	166	165	152	144	144	146	142	138	137	143	147	147	147	150	151	150	150	150	0	7	55	168	15 27	135	33
12				152	154	154	155	155	156	156	158	154	144	138	139	134	134	137	139	142	148	150	150	151	154	153	153	148	0	7	26	158	13 00	131	27
13				155	154	155	157	158	157	161	168	168	160	147	138	137	136	137	138	139	144	148	149	151	152	153	153	151	1	8	10	172	14 08	135	37
14				153	153	154	156	155	156	158	163	164	157	145	130	125	127	124	124	134	142	145	146	149	151	151	151	146	0	7	45	165	15 03	122	43
15				151	153	156	157	154	154	156	155	153	149	144	134	136	140	137	137	137	142	146	147	149	152	154	155	148	1	3	17	158	11 45	133	25
16	✓			158	158	158	157	158	159	159	159	156	152	150	149	158	161	158	151	147	147	148	148	150	153	153	153	154	0	13	10	162	17 15	145	17
17				154	155	157	156	158	159	155	152	153	152	147	148	159	166	159	141	138	145	151	149	149	150	148	151	152	0	13	33	167	15 50	136	31
18			✓	161	155	155	155	159	159	160	160	152	144	133	129	130	129	132	138	143	146	148	148	150	148	150	153	147	1	7	29	161	11 26	128	33
19			✓	155	156	155	156	156	161	156	152	149	144	142	137	140	146	144	140	134	143	148	148	149	150	152	153	149	1	5	25	162	16 26	131	31
20			✓	155	156	155	155	155	157	155	153	150	140	139	135	127	127	133	134	136	144	147	150	152	153	154	156	147	1	5	30	158	12 26	125	33
21			✓	155	156	159	162	156	156	157	158	156	156	157	154	151	149	151	149	151	149	145	149	154	156	155	156	154	1	3	34	165	18 20	144	21
22			✓	157	160	160	157	156	157	160	156	150	131	124	125	124	124	137	152	149	147	150	149	152	154	153	155	147	1	2	13	163	13 16	120	43
23				156	153	155	156	157	157	158	157	152	142	141	140	139	153	157	158	157	154	151	150	151	154	154	154	152	1	6	52	160	12 07	134	26
24				158	157	155	157	157	157	161	168	161	153	146	142	140	139	142	143	142	146	146	147	152	154	154	156	151	0	7	35	169	13 00	137	32
25				157	157	157	158	158	158	161	163	157	150	143	139	139	144	147	144	143	148	151	151	151	153	153	153	151	0	7	07	164	11 24	138	26
26	✓	✓		155	155	155	155	156	158	161	167	166	158	149	146	147	148	149	151	150	152	154	152	153	154	153	154	154	0	7	56	168	11 56	144	24
27	✓			154	156	157	157	157	158	160	162	159	155	150	147	145	146	149	147	146	147	146	148	151	152	152	151	152	0	6	58	163	15 26	143	20
28	✓			153	154	155	154	155	154	156	159	159	158	153	149	151	159	165	157	148	150	150	152	155	155	154	154	155	0	14	19	166	16 39	147	19
29	✓	✓		156	156	156	157	159	159	157	152	143	134	129	134	139	136	138	134	136	143	147	149	151	152	152	151	147	0	4	47	160	10 30	128	32
30				153	154	154	157	157	156	154	155	157	156	154	156	158	158	155	146	143	147	148	149	152	152	153	156	153	0	12	54	160	16 16	141	19
31																																		
MEANS ALL DAYS				153	154	155	156	156	156	157	157	154	147	141	138	139	140	141	139	140	145	148	148	150	151	151	152	149							31
MEANS TEN DAYS *				153	154	155	155	156	157	157	157	155	150	144	141	143	143	143	140	140	144	148	148	150	151	150	151	149							28
MEANS FIVE DAYS † (G. M. T.)				153	154	154	155	156	157	156	155	151	144	137	134	135	135	136	135	138	144	148 148	149 148	150	151	150	151	147							
MEANS FIVE DAYS ‡ (G. M. T.)				157	157	157	157	156	158	158	156	151	143	139	136	134	135	139	143	143	146	148	149	151	151	152	154	149							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 57

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MAY 1936

MAY 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			157	156	156	156	157	158	155	148	145	143	145	149	151	153	146	142	145	149	150	151	152	153	153	154	151	0	6 00	159	15 13	141	18
2	✓			156	156	156	158	158	158	157	157	151	147	145	140	138	139	149	148	146	151	152	152	154	154	154	155	151	0	5 34	159	12 44	136	23
3	✓			157	157	158	158	159	159	160	160	155	148	143	142	146	145	143	144	146	148	149	151	154	154	154	153	152	0	7 27	161	10 57	141	20
4				154	154	156	157	157	158	158	149	138	124	133	138	137	129	140	140	144	152	151	153	156	156	155	155	148	1	6 14	159	9 39	119	40
5				157	157	157	157	157	158	159	162	159	155	152	152	157	162	163	158	154	150	148	150	152	154	154	155	156	0	6 40	165	18 20	147	18
6	✓			156	155	156	157	158	159	159	155	150	147	147	150	149	140	137	141	145	149	148	149	152	154	154	155	151	0	6 20	160	14 00	136	24
7	✓	✓		157	157	158	158	159	159	160	159	150	141	135	136	131	130	136	142	148	151	151	151	153	155	155	155	149	0	4 46	160	12 54	127	33
8	✓	✓		156	156	156	156	158	159	160	160	153	147	146	139	134	133	137	138	144	148	150	152	154	156	156	156	150	0	7 08	162	13 04	131	31
9	✓	✓		156	156	157	158	158	159	159	155	146	140	137	133	126	124	134	142	148	153	152	152	156	157	156	156	149	0	5 57	160	13 10	122	38
10				155	156	156	158	157	157	158	165	166	159	148	138	135	136	140	150	155	155	154	157	157	158	156	157	153	1	8 10	169	12 40	130	39
11			✓	159	160	161	159	159	161	162	158	152	148	148	149	151	148	144	144	147	151	153	153	156	157	156	157	154	1	6 15	166	14 45	141	25
12			✓	155	156	157	159	155	157	157	152	149	144	142	137	127	118	123	134	142	147	151	153	155	158	158	157	148	1	3 22	161	14 00	115	46
13				159	159	159	159	160	160	163	167	166	163	156	148	145	144	147	151	153	153	153	155	158	159	157	156	156	0	7 58	168	13 01	144	24
14				158	159	159	160	160	160	159	157	149	142	141	145	145	148	155	154	154	152	153	155	155	157	156	158	154	0	5 38	161	10 17	140	21
15				158	159	159	160	159	160	163	165	161	156	153	151	149	151	155	152	149	151	153	156	159	157	158	159	156	0	7 03	167	12 53	146	21
16				160	158	160	159	160	162	163	163	160	152	152	151	150	151	161	159	153	151	153	155	157	158	157	158	157	1	7 00	164	13 07	146	18
17				160	161	159	159	160	161	161	157	149	147	151	155	155	145	138	143	149	154	152	153	154	158	159	157	154	0	6 05	163	14 11	136	27
18			✓	159	162	160	157	160	162	161	157	149	142	141	142	130	123	124	131	141	149	151	152	156	155	156	156	149	1	1 58	164	13 13	121	43
19			✓	157	157	158	161	161	162	164	156	146	136	129	130	133	134	134	145	153	154	154	155	156	158	158	157	150	1	6 16	166	10 30	126	40
20				156	158	160	160	160	158	159	154	148	143	145	147	149	149	154	158	154	154	152	154	156	156	156	156	154	1	3 53	162	9 10	142	20
21				156	158	156	158	159	160	161	161	156	148	143	140	133	131	136	143	150	153	152	155	156	156	157	158	152	0	7 03	163	12 51	129	34
22	✓			159	159	159	159	159	159	160	161	155	147	145	148	145	134	135	145	151	154	152	152	156	157	157	158	153	0	7 18	162	13 54	133	29
23	✓	✓		158	158	159	159	160	160	161	162	160	154	145	149	151	142	138	142	148	152	152	153	155	157	156	156	154	0	7 54	163	14 36	137	26
24	✓	✓		158	158	159	159	160	160	160	160	160	152	142	138	139	139	137	137	142	151	153	154	155	156	156	155	152	0	7 10	161	15 40	136	25
25				156	157	158	159	159	161	163	167	165	159	149	143	140	138	139	141	147	152	153	154	155	157	156	156	154	0	7 50	168	13 04	137	31
26				157	158	159	159	159	159	159	157	159	155	149	143	146	143	139	140	143	150	154	155	156	157	158	158	153	0	8 35	162	14 50	137	25
27				157	157	158	159	159	159	160	158	153	146	146	149	157	153	145	139	138	146	150	153	154	157	156	155	153	0	6 40	161	16 17	136	25
28				155	157	158	158	159	160	160	156	154	153	151	153	152	153	149	145	150	153	153	154	156	157	157	157	155	0	6 07	161	15 26	144	17
29			✓	157	158	158	159	161	161	159	157	157	157	152	150	153	153	152	149	148	154	155	156	158	158	157	157	156	1	4 54	163	16 32	147	16
30				157	157	157	157	159	161	163	160	154	149	150	152	155	159	159	156	148	149	153	154	156	157	157	159	156	1	6 43	164	16 30	145	19
31				159	159	159	159	160	161	161	159	158	155	154	155	158	154	149	149	147	150	152	153	155	156	157	157	156	0	6 10	163	16 40	146	17
MEANS ALL DAYS				157	158	158	158	159	160	160	159	154	148	146	145	144	142	143	145	148	151	152	153	155	156	156	156	153						27
MEANS TEN DAYS ✲				157	157	157	158	159	159	159	158	152	147	143	142	141	138	139	142	146	151	151	152	154	155	155	155	151						27
MEANS FIVE DAYS (G. M. T.) †				157	157	158	158	159	159	160	159	154	147	141	139	136	134	136	140	146	151	151 152	151 152	154	156	156	156	151						
MEANS FIVE DAYS (G. M. T.) ‡				157	159	159	159	159	161	161	156	151	145	142	142	139	135	135	141	146	151	153	154	156	157	157	157	151						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 58

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1936 — JUNE 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	157	158	158	157	157	157	159	159	152	148	144	143	145	148	146	142	152	157	156	157	159	160	159	159	154	1	6 58	161	11 07	141	20
2			✓	159	160	160	161	161	162	165	160	157	149	148	142	142	135	133	138	144	152	153	154	156	157	157	158	153	1	6 18	168	14 37	131	37
3				159	159	159	159	160	161	165	162	159	149	145	142	138	134	137	140	146	151	152	155	157	158	158	158	153	0	6 49	166	13 49	133	33
4				158	158	159	160	160	161	160	158	155	151	150	155	158	158	152	151	151	152	153	155	157	159	159	159	156	0	5 30	162	9 56	148	14
5	✓	✓		159	160	159	160	160	162	164	166	167	163	154	150	154	156	148	142	145	150	152	154	157	157	158	159	156	0	8 12	168	15 16	141	27
6	✓	✓		159	159	160	160	160	160	161	160	159	153	148	144	141	141	139	141	148	154	156	156	158	159	158	159	154	0	6 40	163	14 16	138	25
7				158	159	159	159	159	160	159	160	158	155	155	156	159	159	151	147	153	155	155	155	156	158	159	159	157	0	13 10	162	15 18	146	16
8				159	159	160	162	161	161	161	158	152	149	150	149	139	135	139	143	147	152	155	159	160	159	155	156	153	0	4 11	163	13 01	132	31
9			✓	158	159	162	157	159	162	166	173	167	160	157	157	150	142	138	139	145	151	155	158	159	160	159	160	156	1	7 47	176	15 08	136	40
10			✓	160	160	160	161	161	161	163	165	161	155	152	153	155	152	140	135	133	144	151	155	157	158	158	159	155	1	7 00	167	16 37	132	35
11				159	159	160	161	160	159	161	162	160	156	151	151	150	144	143	149	151	153	153	155	157	158	160	160	156	0	7 10	165	14 02	142	23
12				160	161	162	160	161	161	164	165	166	161	161	164	159	155	148	148	152	156	157	159	162	162	160	163	159	0	8 10	167	15 10	146	21
13				162	162	162	163	163	163	166	163	154	143	135	130	136	133	131	143	146	151	156	158	161	162	161	161	153	0	6 16	166	11 10	126	40
14				162	161	162	161	162	162	165	158	147	139	139	140	143	142	136	143	147	153	153	157	162	162	163	163	153	0	6 17	166	14 20	133	33
15				162	162	162	163	164	161	164	158	151	142	137	137	132	134	138	145	151	153	155	157	158	158	160	159	153	0	6 16	167	12 00	130	37
16				161	159	160	161	161	163	165	162	158	150	145	146	148	148	149	147	144	150	153	156	158	161	161	161	155	0	6 32	166	16 14	142	24
17				161	161	161	161	161	161	162	164	158	154	150	150	150	152	153	152	152	156	157	158	159	161	161	161	157	0	7 26	165	13 00	147	18
18				161	161	162	162	162	163	162	159	154	149	151	158	166	167	162	160	156	154	155	161	163	158	158	153	159	1	13 23	169	9 50	147	22
19			✓	163	158	157	164	163	168	173	170	160	146	141	133	135	131	134	139	150	159	159	161	163	163	163	165	155	2	6 40	176	11 50	130	46
20				163	164	163	164	165	167	168	166	159	152	148	148	148	142	141	143	148	154	156	158	161	162	162	162	157	1	6 50	170	14 54	137	33
21	✓			162	163	164	164	164	164	164	162	153	141	130	130	139	142	143	148	155	160	160	159	161	163	163	162	155	0	6 19	165	11 00	124	41
22	✓			162	164	164	164	164	165	168	173	171	168	167	172	171	149	148	149	151	156	157	159	160	162	163	163	162	0	12 07	176	13 50	146	30
23	✓	✓		163	163	163	163	164	164	167	166	161	154	151	155	157	146	148	154	159	160	159	160	163	162	163	162	159	0	7 10	167	13 40	144	23
24				161	163	163	164	165	166	167	167	164	160	156	149	150	154	150	144	145	153	157	160	161	161	162	161	158	0	6 40	168	16 00	141	27
25	✓			161	162	163	164	164	164	164	159	148	144	137	136	140	142	149	149	153	157	159	160	161	162	164	163	155	0	6 22	166	11 47	135	31
26				163	163	163	163	164	164	164	161	158	150	146	141	135	141	136	135	139	152	156	160	162	164	164	165	155	0	23 48	166	12 13	133	33
27	✓			165	165	165	164	(164)	164	166	164	163	167	172	171	168	160	156	156	158	160	161	162	164	164	164	163	164	0	10 09	173	15 00	154	19
28	✓			163	163	164	164	164	164	166	166	163	164	164	160	159	157	157	153	151	154	157	160	163	164	164	164	161	0	7 00	167	16 20	150	17
29	✓	✓		163	163	164	164	164	164	164	166	163	159	149	147	151	148	147	148	153	157	159	161	163	165	165	165	159	0	7 26	167	14 05	144	23
30	✓	✓		163	163	165	165	165	165	165	165	163	158	154	159	158	152	154	157	156	158	159	162	163	165	165	165	161	0	22 28	166	13 40	151	15
31																																		
MEANS ALL DAYS				161	161	161	162	162	163	164	163	159	153	150	149	149	147	145	146	149	154	156	158	160	161	161	161	156						28
MEANS TEN DAYS ✲				162	162	163	163	163	164	165	165	161	157	153	152	154	149	149	150	153	157	158	159	161	162	163	162	159						25
MEANS FIVE DAYS † (G. M. T.)				161	162	162	162	163	163	164	165	163	157	151	151	152	149	147	148	152	156	156 157	158 159	160	161	162	162	158						
MEANS FIVE DAYS ‡ (G. M. T.)				159	159	159	160	160	162	165	165	159	152	148	146	145	142	138	139	145	153	155	158	159	159	158	157	154						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 59

VERTICAL INTENSITY

JULY 1936

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JULY 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				165	165	165	165	166	166	165	160	154	146	141	140	136	125	126	132	142	153	158	161	163	165	164	162	154	0	21 12	167	13 51	123	44
2			✓	162	162	163	165	161	162	165	176	186	179	172	172	168	155	149	149	148	154	158	161	162	164	162	162	163	1	8 37	190	16 27	147	43
3	✓			161	161	161	161	164	164	166	165	159	153	148	144	141	140	141	145	149	154	157	160	161	163	163	163	156	0	6 53	167	13 53	138	29
4				163	164	164	164	165	165	169	167	159	152	146	147	148	149	143	145	150	155	157	159	160	163	161	160	157	0	6 50	171	14 37	142	29
5				159	162	160	160	163	163	164	170	160	152	149	145	145	152	154	155	156	158	158	159	159	161	162	162	158	1	7 23	171	11 50	143	28
6			✓	161	162	162	164	166	167	167	162	157	151	149	150	144	143	140	139	143	154	157	161	163	164	166	165	157	1	6 28	169	15 02	137	32
7				164	164	163	165	167	166	165	162	154	141	137	136	142	139	133	135	139	149	157	158	160	161	162	161	153	0	4 57	168	14 30	132	36
8				162	163	162	163	164	164	165	167	166	165	164	157	154	154	152	153	152	154	158	161	162	163	164	163	160	0	7 18	168	14 22	150	18
9				163	163	162	163	163	163	161	160	156	151	146	145	150	149	142	144	147	153	159	160	162	162	163	163	156	0	23 52	165	14 50	141	24
10			✓	163	160	164	163	164	164	163	161	157	150	143	149	159	146	131	134	143	150	156	160	164	162	164	163	156	1	20 10	165	15 00	129	36
11			✓	162	163	163	164	166	163	165	170	166	157	151	151	147	145	146	149	150	155	158	160	160	162	163	163	158	1	7 36	172	13 50	141	31
12				164	164	164	164	164	164	163	160	160	157	160	164	165	155	145	142	141	149	155	158	159	159	160	162	158	1	12 42	166	16 31	138	28
13				159	161	162	162	163	164	162	159	152	147	148	144	139	143	145	145	151	157	158	159	161	161	162	161	155	1	5 10	165	13 00	137	28
14	✓	✓		161	160	160	162	162	162	163	163	160	155	152	143	138	139	138	141	143	148	155	156	158	159	159	160	154	0	6 43	164	12 45	137	27
15		✓		160	160	159	160	160	160	159	155	151	149	143	138	142	142	142	142	142	150	155	157	160	161	157	159	153	0	6 14	162	11 18	137	25
16				159	161	162	162	161	162	164	157	145	139	131	130	138	142	139	137	142	151	156	157	157	159	159	160	151	0	6 20	166	11 17	129	37
17				161	162	162	162	163	163	163	163	(159)	156	156	157	157	157	160	157	160	161	160	157	160	161	161	160	160	1	17 48	166	9 21	155	11
18				160	161	161	161	162	163	165	167	162	153	148	152	156	153	145	141	138	147	153	154	157	157	159	159	156	1	7 07	168	16 20	137	31
19	✓			160	159	159	160	160	160	160	156	146	140	144	146	149	142	139	144	146	150	154	156	158	158	158	158	153	0	6 30	161	14 05	136	25
20	✓			158	158	160	160	161	161	161	156	149	143	145	142	139	143	143	145	147	152	155	155	157	159	158	158	153	0	6 18	161	12 25	137	24
21	✓	✓		159	159	159	160	160	161	162	160	153	144	136	132	136	134	124	123	130	144	152	154	155	158	157	157	149	0	6 30	163	15 00	121	42
22	✓			158	158	158	159	159	159	159	165	168	164	165	173	174	174	172	171	159	152	155	156	158	159	158	158	162	0	12 10	176	17 30	151	25
23	✓	✓		158	159	159	159	161	162	161	158	155	152	141	138	141	136	139	144	147	152	156	158	158	159	159	158	153	0	6 18	163	14 00	135	28
24	✓	✓		159	159	160	161	161	162	163	166	167	(170)	172	169	170	166	158	154	154	154	156	157	159	159	160	161	162	0	[10 03	174]	17 20	152	[22]
25	✓			159	161	161	162	162	162	164	160	153	144	139	134	136	140	148	152	153	157	158	158	159	160	161	161	154	0	6 21	165	11 40	132	33
26	✓			161	162	162	162	162	162	162	159	156	152	152	148	151	151	148	148	149	152	155	158	159	159	159	159	156	0	6 18	163	11 53	147	16
27				160	159	162	162	162	162	162	161	155	149	144	141	142	143	147	150	148	151	154	157	159	160	161	161	155	0	6 46	164	11 03	138	26
28				161	161	161	162	161	162	165	161	154	153	154	154	154	152	156	156	154	154	154	157	158	158	159	159	158	0	6 23	168	13 14	151	17
29			✓	158	161	161	160	161	159	161	161	158	144	148	156	149	147	147	143	147	153	157	157	159	157	157	160	155	1	4 51	164	9 38	136	28
30				158	158	158	159	161	163	166	165	155	148	143	139	140	144	146	146	148	151	154	156	158	158	160	159	154	0	6 20	168	11 48	138	30
31				160	160	160	160	162	162	163	164	161	156	154	153	149	137	134	132	138	148	154	156	158	158	158	158	154	0	6 48	165	15 37	131	34
MEANS ALL DAYS				161	161	161	162	162	163	163	162	158	152	149	148	148	146	144	145	147	152	156	158	159	160	161	160	156						29
MEANS TEN DAYS ✱				159	160	160	161	161	162	162	161	157	152	149	147	148	146	145	147	148	152	155	157	158	159	159	159	155						27
MEANS FIVE DAYS † (G. M. T.)				159	159	159	160	161	161	162	160	157	154	149	144	145	143	140	141	143	150	156 157 155 156		158	159	159	159	154						
MEANS FIVE DAYS ‡ (G. M. T.)				161	162	163	163	164	163	164	166	165	156	153	156	153	147	143	143	146	153	157	159	161	162	162	162	158						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 60

VERTICAL INTENSITY

AUGUST 1936 · 1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS · AUGUST 1936

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				159	159	159	159	161	162	164	160	150	141	136	143	149	144	143	146	148	152	154	156	157	158	158	158	153	0	6	15	165	10 40	135	30
2				159	159	160	162	162	163	165	162	153	147	144	139	138	132	131	135	141	146	152	156	157	158	159	159	152	0	6	20	166	14 26	129	37
3				160	160	160	161	161	161	161	158	152	147	150	154	160	155	154	154	153	157	158	159	160	161	161	161	157	0	22	47	163	9 40	146	17
4				161	161	161	161	162	163	162	153	144	136	129	129	132	138	147	146	146	151	155	157	159	160	158	160	151	0	5	29	164	10 56	127	37
5			✓	161	161	162	162	162	162	164	161	152	145	142	137	135	136	137	142	150	154	156	157	158	161	159	158	153	0	6	27	165	12 31	134	31
6			✓	161	163	160	162	162	162	163	161	153	144	137	131	127	127	136	146	144	150	153	154	156	158	158	158	151	0	6	37	164	13 18	124	40
7	✓	✓		158	159	160	161	161	161	159	158	(155)	149	148	154	162	159	152	153	153	153	155	157	158	159	159	159	157	0	12	47	164	9 52	146	18
8			✓	159	159	162	162	162	162	162	156	146	140	141	141	131	141	145	144	144	152	155	156	157	158	159	159	152	0	6	08	163	12 46	129	34
9				159	159	160	160	161	162	161	152	148	141	137	136	135	133	131	139	143	148	154	155	157	159	159	159	150	0	6	00	163	14 17	130	33
10			✓	159	160	162	163	161	162	161	160	159	162	163	162	158	148	144	140	144	149	155	157	159	159	159	159	157	0	10	43	165	15 26	138	27
11	✓	✓		159	159	159	159	160	160	159	159	159	153	156	159	162	163	162	153	150	151	155	157	159	159	160	160	158	0	14	00	164	17 10	149	15
12				160	161	161	161	161	161	160	156	150	146	149	155	156	151	152	150	150	154	157	157	160	160	161	161	156	0	1	42	162	9 39	145	17
13	✓			160	160	160	161	160	163	166	162	152	145	142	138	137	140	141	146	152	152	155	156	158	159	160	160	154	0	6	10	167	12 30	135	32
14				160	161	162	162	163	163	163	156	147	142	138	137	137	140	141	141	147	156	156	156	156	159	158	159	152	0	5	50	164	11 10	135	29
15				158	159	158	159	160	161	162	160	155	146	140	138	138	140	144	144	146	151	155	156	157	158	158	158	153	0	6	10	167	12 00	137	30
16				159	159	161	162	162	163	164	162	154	149	146	146	144	146	149	152	157	156	156	157	156	158	158	159	156	0	6	20	165	12 50	143	22
17	✓			160	161	161	162	163	163	162	156	154	151	148	147	148	155	157	153	150	150	154	156	157	157	158	158	156	0	5	58	165	12 00	146	19
18	✓	✓		159	160	161	162	163	(163)	162	158	154	150	147	142	147	154	156	157	157	157	157	156	157	158	158	158	156	0	6	00	164	11 40	139	25
19	✓	✓		160	161	162	163	163	164	161	154	151	146	142	143	145	143	147	149	146	150	154	156	157	157	158	158	154	0	5	38	164	11 00	141	23
20				159	160	161	162	162	163	165	161	154	143	134	132	128	134	140	145	151	154	155	155	157	157	157	157	152	0	6	42	166	12 12	127	39
21	✓			158	158	161	161	161	161	164	160	156	147	137	132	132	133	137	143	147	153	155	155	156	157	157	158	152	0	6	20	165	11 36	131	34
22	✓			159	160	160	160	161	162	165	164	157	152	143	141	134	127	130	139	147	154	154	155	156	157	157	157	152	0	6	49	167	13 50	125	42
23	✓	✓		158	158	158	160	161	161	164	163	160	153	153	151	150	152	153	157	157	154	157	158	158	159	159	159	157	0	6	50	165	12 13	149	16
24	✓			159	160	162	163	163	163	162	162	165	165	167	163	158	155	155	155	158	159	157	156	158	158	159	160	160	0	10	38	168	13 25	154	14
25				161	162	162	162	163	164	165	166	165	164	161	162	159	159	149	142	141	147	154	156	159	160	160	160	158	1	7	46	167	16 02	139	28
26				162	162	163	163	163	163	163	164	163	157	155	153	153	153	152	(150)	149	150	151	151	153	153	(155)	153	156	0	7	38	166	16 25	148	18
27				153	153	155	155	155	156	(157)	155	155	155	156	153	150	142	137	143	149	152	155	157	158	159	160	160	153	0	23	03	161	14 37	136	25
28				159	160	162	162	164	164	166	167	165	160	154	151	146	140	139	144	152	154	156	157	158	159	159	160	157	0	7	32	167	14 32	138	29
29				160	161	161	161	163	164	161	153	147	136	128	131	131	126	127	137	141	148	153	154	154	156	159	157	149	0	5	59	164	13 48	123	41
30			✓	160	160	160	(160)	160	161	160	152	143	134	128	124	130	140	153	151	153	154	157	157	157	158	160	159	151	1	5	53	163	11 25	123	40
31				160	161	160	161	162	164	160	157	152	150	146	146	151	156	156	162	156	155	157	157	157	159	160	159	157	0	5	42	165	10 50	144	21
MEANS ALL DAYS				159	160	161	161	162	162	162	159	154	148	145	144	144	144	145	147	149	152	155	156	157	158	159	159	154							28
MEANS TEN DAYS ✻				159	160	160	161	162	162	162	160	156	151	148	147	148	148	149	150	152	153	155	156	157	158	158	159	156							24
MEANS FIVE DAYS † (G. M. T.)				159	159	160	161	162	162	161	158	156	150	149	150	153	154	154	154	153	153	155 156 156 157		157	158	158	158	156							
MEANS FIVE DAYS ‡ (G. M. T.)				160	161	161	162	161	162	162	158	151	145	142	139	136	138	143	145	147	152	155	156	157	159	159	159	153							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = ND RECORD

TABLE 61

VERTICAL INTENSITY

SEPTEMBER 1936

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

SEPTEMBER 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			160	161	161	161	162	163	161	160	153	146	141	144	152	154	151	145	143	150	156	156	157	157	158	160	155	0	5	40	164	11 00	140	24
2				161	161	161	163	164	165	169	171	169	160	156	152	150	148	148	150	154	157	158	157	157	158	159	159	159	0	7	15	171	13 20	147	24
3	✓	✓		160	160	162	162	163	164	163	161	160	152	137	130	129	116	113	124	139	149	156	156	157	157	157	158	149	0	5	32	165	14 09	110	55
4				160	160	162	163	164	164	162	161	157	144	137	133	135	135	131	127	131	144	156	156	156	158	158	159	151	0	5	20	165	15 20	125	40
5				159	160	160	161	162	163	168	175	176	171	157	148	143	141	139	142	147	153	157	157	158	158	159	160	157	0	8	00	177	14 15	137	40
6	✓			161	161	161	162	164	164	166	169	171	170	165	158	158	158	148	143	146	151	156	158	159	159	159	160	159	0	8	20	172	15 40	142	30
7	✓	✓		161	162	162	163	163	165	169	174	173	158	143	136	136	137	133	133	140	151	155	158	159	159	160	160	155	0	8	17	175	15 10	132	43
8				160	160	161	162	162	162	157	153	149	145	141	141	148	145	134	141	145	152	155	157	157	160	160	160	153	0	4	58	163	14 32	132	31
9				160	160	161	161	162	161	159	156	150	145	144	147	158	157	143	141	140	147	154	156	156	156	157	157	154	0	4	40	163	16 10	138	25
10				160	160	161	161	162	162	158	153	149	148	158	169	177	170	153	144	147	151	155	157	157	158	158	157	158	0	12	23	179	15 30	142	37
11			✓	157	157	160	161	162	165	164	158	150	143	139	138	142	145	135	132	138	146	153	155	155	156	157	155	151	1	5	55	167	15 07	130	37
12				158	159	161	161	162	162	162	161	158	151	143	142	145	146	147	149	150	154	155	155	156	157	157	157	154	0	6	00	164	10 50	141	23
13	✓	✓		160	160	160	161	161	164	164	161	153	146	138	136	135	131	130	132	138	146	152	153	154	155	156	157	150	0	6	14	165	13 50	128	37
14	✓			158	158	159	161	162	163	165	163	155	150	144	142	138	135	140	139	138	147	151	152	154	155	156	157	152	0	6	50	166	13 27	134	32
15				158	158	159	161	162	162	162	162	161	161	155	153	152	143	140	142	146	149	152	154	155	156	156	158	155	0	6	50	164	14 30	139	25
16	✓	✓		159	159	159	160	162	162	165	166	168	168	158	147	142	140	139	140	144	149	152	154	154	154	155	157	155	0	9	12	170	15 29	138	32
17				158	159	159	161	162	163	172	175	170	169	162	159	160	155	146	146	150	153	153	155	156	156	157	157	159	1	6	58	176	15 00	144	32
18				157	158	160	163	163	163	174	189	189	178	167	155	145	141	137	139	145	151	153	154	155	156	156	157	159	1	8	00	192	14 20	135	57
19	✓			157	158	160	161	162	163	166	168	167	160	152	149	148	140	134	131	135	148	153	154	155	156	156	156	154	0	7	20	170	15 50	130	40
20	✓			156	157	160	160	160	160	163	167	160	152	143	147	147	141	141	142	147	152	153	154	155	155	155	155	153	0	7	36	168	14 40	140	28
21				156	157	158	160	161	162	164	162	154	147	142	137	135	137	138	137	134	140	150	154	154	154	154	155	150	0	7	00	165	16 40	133	32
22				154	155	157	159	160	160	160	157	148	142	141	142	144	143	141	138	145	154	154	154	154	154	152	152	151	1	5	20	161	15 30	138	23
23			✓	153	155	157	161	162	164	168	169	165	161	160	157	153	148	137	133	134	140	150	153	153	154	154	155	154	0	7	32	169	15 46	131	38
24	✓			154	155	157	160	160	160	160	158	153	152	153	158	163	160	152	144	145	149	153	154	155	157	157	156	155	0	12	46	165	15 30	143	22
25		✓		156	157	160	161	161	162	161	157	149	142	138	132	128	127	127	128	134	145	151	151	154	156	156	153	148	0	5	50	164	14 47	125	39
26			✓	155	159	158	161	160	160	161	163	(161)	156	150	154	155	152	149	145	144	146	153	155	156	156	156	156	155	1	7	40	164	16 48	143	21
27			✓	157	158	159	160	160	160	157	156	148	145	146	147	153	154	152	149	146	148	152	154	155	156	155	156	153	1	3	36	161	8 52	143	18
28				156	158	159	161	161	162	156	150	145	135	131	121	119	123	126	131	136	145	153	154	154	154	155	156	146	0	5	10	162	12 20	118	44
29			✓	157	158	158	160	160	160	162	161	153	143	138	133	135	131	126	131	135	141	149	152	154	155	156	157	149	1	7	07	164	14 30	123	41
30				157	158	159	160	160	160	156	149	136	121	116	123	125	127	126	132	138	143	(147)	152	148	145	144	146	143	0	5	43	161	10 20	115	46
31																																		
MEANS ALL DAYS				158	159	160	161	162	162	163	163	158	152	146	144	145	143	139	138	142	148	153	155	155	156	156	157	153							34
MEANS TEN DAYS *				159	159	160	161	162	163	164	165	161	155	147	145	145	141	138	137	142	149	154	155	156	156	157	158	154							34
MEANS FIVE DAYS (G. M. T.) †				159	160	161	161	162	163	164	164	161	153	143	136	134	130	128	131	139	148	155 153	156 154	156	157	158	158	152							
MEANS FIVE DAYS (G. M. T.) ‡				156	157	158	161	161	162	162	161	155	150	147	146	148	146	140	138	139	144	151	154	155	156	155	155	152							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 62

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1936

OCTOBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			153	155	156	158	159	159	159	156	141	129	125	127	124	122	129	135	140	146	149	151	152	153	153	154	145	0	6 56	161	13 00	121	40
2	✓	✓		154	157	158	159	161	161	164	165	160	153	151	153	146	141	138	138	143	147	151	154	155	154	155	156	153	0	7 10	167	14 58	137	30
3	✓	✓		157	159	160	161	162	163	167	172	169	165	162	159	148	140	139	139	145	148	152	154	155	156	155	155	156	0	7 41	174	15 32	138	36
4	✓			158	160	161	162	163	163	160	159	151	144	140	135	130	124	124	130	142	148	151	153	154	154	153	155	149	0	5 05	163	13 50	122	41
5				156	157	158	161	163	164	163	158	152	146	144	131	122	121	124	130	135	144	152	154	154	154	154	154	148	0	5 42	164	13 04	119	45
6				155	157	158	160	162	163	164	164	155	147	143	139	131	130	128	120	123	136	150	151	153	153	152	152	148	0	7 07	167	15 43	118	49
7				151	154	154	157	157	157	160	163	151	140	140	133	115	110	109	106	118	133	144	149	149	148	147	150	141	0	7 18	166	15 30	104	62
8				153	153	154	156	157	156	157	159	157	151	154	154	150	145	137	134	138	144	150	152	154	154	153	153	151	0	7 13	160	15 15	133	27
9				154	154	157	159	159	159	156	160	160	156	157	153	146	138	136	133	135	143	150	151	152	151	151	150	151	1	8 15	161	15 50	132	29
10			✓	154	153	154	157	159	159	167	169	163	153	144	142	141	136	134	127	132	142	149	151	153	154	154	154	150	1	6 56	171	15 10	126	45
11				149	155	157	159	160	160	158	157	150	148	149	147	150	161	156	145	141	141	147	152	155	156	155	155	153	1	13 35	163	16 40	139	24
12	✓			155	157	158	160	161	160	155	152	149	145	146	145	149	153	152	146	144	148	152	155	156	156	155	156	153	0	4 32	161	16 20	143	18
13				155	157	158	160	161	161	160	157	153	150	151	150	151	155	151	142	139	143	150	153	155	154	155	154	153	0	5 33	162	16 10	138	24
14				156	159	158	160	162	162	159	152	146	146	145	140	143	144	141	137	141	146	153	154	153	154	154	157	151	0	5 34	163	15 20	136	27
15				157	158	160	160	162	164	168	172	168	163	163	162	156	155	145	141	145	151	156	159	159	158	157	157	158	0	7 09	172	15 26	140	32
16			✓	158	159	162	163	165	164	165	167	161	157	153	141	137	141	144	152	150	152	153	153	156	155	153	153	155	1	7 23	167	11 52	136	31
17			✓	159	159	159	161	166	170	182	183	174	171	162	153	147	146	141	136	142	150	156	158	158	158	158	157	159	1	7 06	186	15 20	135	51
18				159	158	162	164	165	164	164	164	165	165	155	140	132	126	126	127	133	144	154	158	158	157	157	157	152	0	4 44	168	14 43	126	42
19				158	161	163	164	166	168	175	182	181	176	165	154	140	135	133	133	137	144	154	157	155	159	159	160	157	1	7 27	184	14 44	131	53
20				161	161	161	163	165	166	170	170	168	164	152	144	145	142	136	136	140	149	158	161	161	160	159	159	156	0	7 10	173	14 45	134	39
21	✓			161	164	165	166	166	166	164	164	163	163	160	158	151	146	140	134	141	151	157	160	160	159	159	160	157	0	5 26	167	15 20	132	35
22	✓	✓		160	160	162	165	166	168	173	177	172	169	162	155	146	141	136	138	145	151	154	160	161	161	161	160	158	0	7 10	179	14 40	134	45
23				161	162	164	166	168	168	166	163	157	154	152	148	147	142	135	133	140	147	155	160	159	159	159	158	155	0	5 00	168	15 02	132	36
24			✓	160	161	162	164	165	169	172	174	175	174	158	142	131	135	130	130	136	147	156	159	159	158	157	158	156	1	8 43	179	12 39	125	54
25				157	158	161	163	164	165	162	164	157	151	145	144	139	138	138	141	148	153	157	160	161	161	161	159	154	1	5 10	167	13 00	137	30
26				159	161	162	164	165	164	161	159	153	145	144	147	150	153	150	142	141	146	155	159	159	159	158	158	155	0	4 38	166	16 30	140	26
27	✓	✓		159	161	162	162	163	164	167	166	165	160	149	145	146	142	134	132	139	146	152	158	159	159	159	159	154	0	6 52	167	15 24	131	36
28	✓	✓		159	161	162	164	165	164	164	166	164	163	162	162	159	157	155	153	154	154	157	161	161	162	162	161	160	0	7 10	167	15 10	152	15
29	✓			161	162	164	166	167	165	159	156	150	147	141	140	138	140	140	138	142	147	155	159	159	159	160	158	153	0	4 40	168	12 50	137	31
30				161	162	164	165	167	164	161	163	161	160	161	160	160	156	149	140	139	149	159	162	164	160	158	159	158	0	4 37	169	16 00	137	32
31			✓	154	155	158	163	168	166	164	160	154	144	137	130	132	132	128	127	132	144	152	156	156	156	156	157	149	1	4 40	172	15 00	125	47
MEANS ALL DAYS				157	158	160	162	163	163	164	164	160	155	151	146	142	140	137	135	139	146	153	156	157	156	156	156	153						36
MEANS TEN DAYS ✲				158	160	161	162	163	163	163	163	158	154	150	148	144	141	139	138	144	149	153	156	157	157	157	157	154						33
MEANS FIVE DAYS † (G. M. T.)				158	160	161	162	163	164	167	169	166	162	157	155	149	144	140	140	145	149	153 153	156 157	157	157	157	157	156						
MEANS FIVE DAYS ‡ (G. M. T.)				157	157	159	162	165	166	170	171	165	160	151	142	138	138	135	134	138	147	153	157	158	157	156	155	154						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 63

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1936 — NOVEMBER 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			157	158	162	165	165	163	164	167	163	159	149	143	149	155	154	149	148	150	154	157	157	157	157	157	157	0	7	13	169	11	46	143	26
2				158	160	160	162	166	166	166	167	160	157	151	146	138	134	136	139	144	149	153	157	155	153	154	153	154	1	7	10	170	13	50	132	38
3			✓	152	153	154	158	164	167	170	167	160	161	157	148	135	120	117	114	128	141	151	157	156	153	154	155	150	1	6	33	171	15	23	112	59
4				155	157	160	161	165	168	183	199	200	191	178	169	162	153	151	150	148	149	150	153	156	157	157	157	164	0	7	59	203	16	10	147	56
5				157	157	160	163	165	165	163	165	162	162	163	160	153	148	142	133	130	142	153	158	158	158	157	157	155	0	7	40	166	16	20	130	36
6				156	155	157	160	162	162	157	154	150	150	150	142	130	132	130	127	132	141	150	156	157	157	157	157	149	0	5	19	165	15	20	126	39
7				156	158	160	162	162	161	158	161	163	167	176	182	171	160	144	129	126	136	148	154	156	156	156	155	157	0	11	40	186	16	34	124	62
8				155	156	158	161	162	160	159	161	165	159	150	152	154	153	149	141	142	145	150	155	154	154	153	157	154	0	8	37	167	15	50	139	28
9				156	157	158	160	160	158	158	158	163	169	177	183	183	169	151	138	133	141	151	157	157	156	154	153	158	1	11	56	187	16	30	131	56
10				154	155	158	161	162	158	151	151	153	156	161	164	154	152	145	137	137	143	151	155	154	155	155	153	153	1	11	46	166	16	00	136	30
11			✓	153	156	158	159	161	159	156	156	161	165	160	154	150	148	149	145	140	143	153	156	154	153	153	155	154	1	9	42	167	16	38	138	29
12				157	157	159	160	161	159	156	153	152	150	150	146	140	140	139	134	134	145	155	154	153	153	153	152	150	0	5	16	161	16	10	133	28
13	✓	✓		153	152	153	156	158	155	153	156	157	150	141	141	143	147	146	141	141	144	148	152	154	153	153	153	150	0	8	15	159	15	45	138	21
14	✓			153	154	155	157	160	159	160	162	158	153	151	147	149	152	141	135	138	144	148	153	153	153	153	152	152	0	7	15	163	15	40	133	30
15			✓	151	150	153	154	157	156	156	157	156	162	185	178	161	153	147	143	138	144	147	152	151	151	151	151	154	1	10	21	189	16	28	137	52
16			✓	151	153	154	156	158	157	156	162	168	174	171	173	167	149	140	138	138	143	149	154	154	153	153	153	155	1	9	10	176	16	20	137	39
17				154	154	155	158	160	158	155	160	165	165	161	149	135	129	128	126	132	140	148	152	153	154	154	155	150	0	9	05	167	15	07	124	43
18				155	155	157	158	159	157	155	159	163	156	154	152	152	153	152	144	141	145	151	156	156	156	155	155	154	0	8	28	165	16	20	140	25
19				157	158	159	159	162	159	156	161	165	162	156	152	149	146	144	145	145	147	153	158	157	156	155	156	155	0	8	13	166	14	00	143	23
20	✓			156	156	158	160	162	162	163	166	168	163	157	157	149	145	145	141	143	150	154	158	157	157	157	157	156	0	8	14	169	15	50	139	30
21	✓			157	158	157	156	159	162	169	169	171	168	163	155	141	130	121	121	128	139	148	154	155	155	156	157	152	0	8	47	172	14	50	118	54
22	✓	✓		158	158	158	158	160	161	161	162	163	163	163	157	148	147	147	147	147	150	155	158	158	157	156	156	156	0	10	13	165	13	10	146	19
23	✓	✓		157	158	158	161	162	160	158	157	155	149	150	156	153	146	139	137	138	147	156	158	157	157	157	156	153	0	4	30	163	16	00	135	28
24	✓	✓		157	156	157	158	160	155	150	148	145	142	136	135	139	143	148	142	145	152	158	159	158	158	158	157	151	0	5	00	161	10	50	134	27
25	✓	✓		155	155	157	158	158	153	158	170	175	173	172	170	164	155	140	130	129	138	150	155	156	157	157	156	156	0	8	30	176	16	20	127	49
26				157	156	158	159	159	153	153	158	160	166	175	183	186	186	162	155	145	145	153	157	157	156	157	157	161	1	13	04	200	17	00	143	57
27	✓			156	158	159	159	161	158	158	168	172	171	171	169	156	140	136	136	139	146	154	157	157	155	155	155	156	0	11	06	174	13	46	135	39
28				156	154	156	158	159	155	156	165	169	167	168	165	160	161	156	150	147	149	154	150	145	147	138	135	155	0	8	23	171	23	38	124	47
29			✓	138	139	147	151	153	150	167	176	168	156	151	147	143	144	141	133	134	138	147	153	154	155	154	154	150	2	7	55	179	15	52	131	48
30				152	152	152	155	157	156	161	171	175	170	163	154	143	141	140	138	139	140	145	152	154	153	153	153	153	0	8	20	176	15	50	137	39
31																																				
MEANS ALL DAYS				155	155	157	159	161	159	160	163	163	162	160	158	152	148	143	138	138	144	151	155	155	155	154	154	154								39
MEANS TEN DAYS ✻				156	156	157	159	160	159	159	162	163	159	155	153	149	146	142	138	140	146	152	156	156	156	156	156	154								32
MEANS FIVE DAYS † (G. M. T.)				156	156	157	158	160	157	156	159	159	155	152	152	149	148	144	139	140	146	154 153	157 156	156	156	156	156	153								
MEANS FIVE DAYS ‡ (G. M. T.)				149	150	153	156	159	158	161	164	163	164	165	160	151	143	139	135	136	142	149	153	152	152	150	149	152								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 64

VERTICAL INTENSITY

DECEMBER 1936

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				154	155	155	157	160	160	158	161	161	160	159	154	147	141	143	140	141	143	148	154	155	155	156	156	153	0	8 33	162	15 40	139	23
2				154	154	155	159	162	162	164	172	181	184	178	156	136	130	131	127	128	136	143	151	154	154	152	153	153	0	9 50	186	16 04	126	60
3				155	155	156	158	160	163	172	190	185	182	176	170	159	145	141	140	139	145	149	155	156	155	154	154	159	0	7 29	193	16 23	137	56
4			✓	152	155	157	158	157	159	160	169	172	173	163	157	145	133	130	124	119	129	139	150	152	153	154	153	151	1	8 49	179	14 55	129	50
5				152	152	155	156	158	156	157	162	165	158	149	144	131	122	127	127	127	136	147	155	157	159	159	157	149	0	8 00	168	13 48	120	48
6				155	155	155	157	160	162	167	171	171	162	150	155	148	141	137	139	141	145	149	158	158	158	159	159	155	0	7 50	175	14 50	136	39
7				157	157	158	159	161	161	160	163	165	162	157	156	154	146	148	148	151	151	153	162	162	162	161	160	157	0	8 33	166	13 20	145	21
8				159	158	160	161	161	162	166	170	173	173	176	172	158	141	134	134	138	139	147	156	158	159	159	159	157	0	11 10	177	14 34	131	46
9	✓	✓		159	159	159	161	162	159	155	157	155	149	155	166	163	110	146	139	139	145	154	161	162	163	163	163	154	0	12 00	169	16 00	135	34
10	✓	✓		163	164	164	164	164	163	163	171	178	180	184	180	162	139	120	113	120	132	146	154	157	159	159	159	157	0	10 30	187	15 20	112	75
11	✓			159	159	160	163	163	163	160	164	169	175	176	178	170	163	154	139	133	141	150	156	157	158	158	158	159	0	11 10	180	16 24	132	48
12			✓	156	154	157	159	159	153	151	152	157	154	164	169	172	162	148	138	140	150	157	160	160	157	154	153	156	1	12 10	173	15 50	136	37
13			✓	156	157	160	160	157	157	158	163	159	155	161	153	146	146	138	138	139	147	155	160	160	161	160	158	154	1	7 51	164	14 20	135	29
14				155	156	157	158	159	158	155	161	165	168	170	168	164	157	144	134	135	143	152	157	157	157	157	157	156	0	10 23	172	16 00	132	40
15				158	158	159	160	161	160	157	158	157	150	146	148	141	149	153	153	149	149	155	160	159	158	158	158	155	0	5 24	162	12 10	140	22
16	✓			157	156	158	160	161	160	158	160	158	158	160	160	160	161	150	142	144	152	157	160	160	160	159	159	157	0	13 26	163	15 20	141	22
17	✓			158	159	159	158	159	158	159	163	164	162	153	147	140	138	135	138	140	144	149	156	156	156	157	158	153	0	8 34	165	14 20	134	31
18	✓			158	158	160	162	163	160	161	165	169	167	165	161	157	150	152	153	148	148	151	157	156	157	157	157	158	0	8 30	170	14 00	150	20
19	✓	✓		157	159	161	162	163	163	167	171	166	157	143	129	119	118	123	134	140	148	150	155	155	155	155	155	150	0	7 10	173	13 07	114	59
20				156	158	160	161	163	163	162	165	165	161	158	143	128	121	132	147	152	156	154	157	158	157	156	156	154	0	7 48	168	13 40	120	48
21				156	156	156	157	159	157	161	174	182	183	174	161	148	143	146	145	146	148	150	156	160	161	161	160	158	0	9 12	186	12 53	141	45
22	✓	✓		159	160	160	161	161	161	166	180	182	181	166	157	151	151	161	167	161	156	155	157	160	160	161	161	162	0	8 03	185	13 00	148	37
23	✓			160	159	159	161	163	164	161	164	161	156	149	149	151	143	139	139	142	146	151	157	160	160	160	159	155	0	7 15	165	14 38	137	28
24	✓	✓		159	161	162	162	162	160	155	157	157	154	164	165	165	155	139	128	132	142	147	156	158	159	158	158	155	0	11 00	166	15 28	128	38
25				158	159	161	162	163	162	158	159	155	147	145	146	146	151	150	152	153	155	158	162	162	163	160	159	156	0	4 50	163	10 52	143	20
26				160	161	162	163	163	160	157	159	160	158	155	151	142	145	151	159	163	161	159	161	160	159	158	156	158	0	3 49	164	12 48	139	25
27			✓	156	155	157	160	161	163	165	169	166	166	157	153	144	141	140	143	144	149	150	154	156	155	154	154	155	1	7 20	169	14 14	138	31
28			✓	153	153	159	160	161	162	171	180	168	156	159	149	143	145	137	142	149	148	151	158	158	158	158	157	156	1	7 21	184	14 51	135	49
29				157	158	160	163	165	163	168	176	174	160	148	140	131	141	144	144	147	147	150	159	160	160	160	160	156	0	7 52	178	12 15	128	50
30				160	160	161	162	164	162	164	172	162	147	144	143	132	124	119	132	164	165	156	161	160	160	160	158	154	0	7 46	173	14 10	118	55
31				158	157	158	160	165	165	165	165	152	153	148	132	120	114	121	146	162	153	151	157	159	159	158	159	152	0	7 00	169	13 30	111	58
MEANS ALL DAYS				157	157	159	160	161	161	161	167	166	163	160	155	148	141	140	140	143	147	151	157	158	158	158	158	155						40
MEANS TEN DAYS ✱				159	159	160	161	162	161	160	165	166	164	162	159	154	143	142	139	140	145	151	157	158	159	159	159	156						39
MEANS FIVE DAYS † (G. M. T.)				159	161	161	162	162	161	161	167	168	164	162	159	152	135	138	136	138	145	151 150	157 157	159	160	160	160	156						
MEANS FIVE DAYS ‡ (G. M. T.)				155	155	158	159	159	159	161	167	164	161	161	156	150	145	139	137	138	145	150	157	158	157	156	155	154						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 65

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		98	97	96	96	96	93	76	85	101	120	137	141	125	116	101	81	77	93	91	97	104	105	103	100	101	0	11 20	145	15 50	74	71
2				97	96	95	95	95	94	76	83	104	126	147	145	133	127	123	105	100	99	90	102	106	107	108	105	107	0	11 00	154	6 43	74	80
3				106	103	101	98	98	95	84	94	110	126	145	150	144	135	115	105	94	95	94	99	104	102	103	96	108	0	11 00	154	6 30	82	72
4				95	93	90	88	94	97	88	95	107	125	146	155	144	125	113	103	105	107	97	104	106	105	103	99	108	0	11 16	157	6 30	86	71
5	✓			95	93	95	95	96	95	88	95	110	127	144	137	120	105	89	76	87	100	97	104	105	107	106	103	103	0	10 30	147	15 30	74	73
6	✓			97	90	92	93	94	95	85	96	110	139	140	142	152	148	128	101	83	87	93	97	103	103	102	95	107	0	12 56	155	16 30	80	75
7			✓	93	95	94	91	91	89	80	92	106	126	157	167	146	157	173	138	128	117	108	122	121	113	108	103	117	1	14 43	187	6 30	77	110
8				96	93	91	93	95	95	92	99	112	131	155	164	147	124	116	102	85	91	88	100	106	105	102	102	108	0	11 10	167	16 20	82	85
9			✓	103	96	99	103	95	98	78	89	108	136	163	160	138	127	133	136	119	113	97	106	111	109	104	97	113	1	10 42	167	6 18	76	91
10			✓	94	85	82	82	78	85	82	91	96	117	128	132	122	103	88	85	86	94	95	104	112	111	105	100	98	1	11 22	137	4 25	69	68
11				94	83	85	86	86	80	67	83	115	141	157	147	127	102	101	98	97	97	95	105	110	109	104	96	103	0	10 39	165	6 20	65	100
12				93	91	90	88	87	91	86	102	113	125	149	140	104	83	66	69	75	87	96	99	99	100	94	94	97	0	10 32	155	15 34	64	91
13				91	86	89	91	92	86	80	94	116	144	163	172	145	107	95	95	93	96	89	96	100	98	96	94	104	0	11 47	175	6 23	76	99
14				88	86	86	86	85	86	80	86	94	112	145	135	92	88	95	92	86	85	86	95	98	99	97	96	95	0	10 54	155	6 18	76	79
15	✓	✓		96	95	91	87	91	86	73	75	87	103	121	128	126	137	138	128	107	97	93	97	99	98	95	93	102	0	14 20	141	6 40	70	71
16	✓	✓		88	89	93	93	93	89	86	103	132	157	186	176	143	121	107	105	102	96	94	96	102	101	96	94	110	0	10 50	193	6 32	84	109
17				93	89	85	86	87	85	78	93	108	120	136	151	144	126	106	101	97	96	91	96	102	100	101	97	103	0	11 35	155	6 17	76	79
18	✓			96	94	93	93	93	93	85	93	107	131	137	132	101	83	84	97	106	105	96	101	103	100	99	97	101	0	10 24	140	14 04	76	64
19	✓			96	95	92	90	91	90	76	83	100	115	136	156	148	117	112	117	116	105	92	94	97	96	95	94	104	0	11 49	165	6 47	74	91
20				93	93	93	94	95	92	76	80	102	135	154	151	145	136	130	107	103	105	96	104	107	106	103	95	108	0	10 46	163	6 50	74	89
21				95	91	87	91	91	95	85	85	85	104	128	155	148	145	135	125	124	118	104	105	106	106	101	98	109	1	11 47	164	7 03	76	88
22				97	95	95	94	96	94	78	89	110	128	136	132	124	125	126	128	127	124	103	95	97	97	95	96	108	0	10 47	137	6 36	76	61
23	✓	✓		96	91	93	94	96	96	92	92	103	118	132	126	113	96	92	86	85	92	93	95	101	99	97	95	99	0	10 52	135	16 10	82	53
24	✓			90	88	88	89	89	88	81	92	105	113	113	115	107	126	155	155	136	111	94	95	102	103	102	97	106	0	14 50	164	6 10	79	85
25	✓	✓		94	92	87	88	87	86	84	86	103	107	119	122	113	104	93	85	78	81	86	92	97	97	95	93	95	0	11 32	125	16 57	76	49
26				89	86	85	85	85	76	56	71	91	106	126	135	127	122	108	104	107	100	87	93	96	96	94	91	96	0	11 06	137	6 33	54	83
27			✓	87	85	84	81	75	73	74	95	121	133	159	165	152	153	145	111	90	86	85	94	101	104	102	103	107	1	11 24	175	5 00	65	110
28				101	100	98	95	93	88	76	93	119	126	140	150	151	157	169	153	129	105	98	105	109	109	105	98	115	0	14 20	174	6 30	73	101
29				87	85	85	84	83	75	68	87	122	137	147	154	154	137	124	108	93	80	75	86	97	97	96	94	102	0	12 18	158	6 20	65	93
30			✓	87	86	87	87	85	79	60	74	98	106	128	125	117	133	137	123	110	106	96	97	98	96	94	94	100	1	11 51	146	6 22	56	90
31				93	93	92	89	91	91	84	106	135	147	160	168	156	142	126	105	92	91	80	95	98	95	93	93	109	0	11 24	173	18 53	78	95
MEANS ALL DAYS				94	91	91	90	90	89	79	90	107	125	143	146	133	123	117	107	101	99	93	99	103	102	100	97	105						83
MEANS TEN DAYS *				95	92	92	92	93	91	83	90	106	123	136	138	125	115	110	103	98	97	93	97	101	101	99	96	103						74
MEANS FIVE DAYS † (G. M. T.)				94	93	92	92	93	90	82	88	105	121	139	139	124	115	106	97	90	92	92 91	95 95	99	99	98	96	101						
MEANS FIVE DAYS ‡ (G. M. T.)				93	89	89	89	85	85	75	88	106	124	147	150	135	135	135	119	107	103	96	96	103	102	100	96	106						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 66

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1937 FEBRUARY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			87	86	85	89	96	95	78	96	128	136	131	141	145	151	155	131	106	91	82	91	96	94	93	92	107	0	14 30	158	6 40	75	83
2				88	87	86	91	94	93	85	99	118	123	116	116	123	107	96	96	83	75	76	84	93	95	103	110	97	1	12 07	125	19 03	66	59
3			✓	112	104	114	105	115	110	104	121	141	154	163	178	185	181	152	119	111	97	97	105	107	105	106	106	125	2	14 04	197	17 46	94	103
4				106	104	103	103	105	103	95	105	126	131	131	133	132	141	134	123	104	95	86	94	101	96	96	89	110	1	13 40	147	18 48	83	64
5			✓	90	91	92	90	95	95	87	97	115	133	136	130	131	141	164	156	125	97	98	106	107	105	104	97	112	0	14 47	170	3 27	85	85
6				97	96	93	91	95	93	94	104	116	126	122	120	118	124	124	105	85	82	86	93	100	96	96	95	102	0	13 46	133	17 10	78	55
7	✓			91	89	90	91	95	94	80	81	100	116	132	132	118	118	106	100	93	86	86	94	97	98	96	95	99	0	11 03	141	6 49	75	66
8	✓	✓		92	90	90	89	91	92	89	93	104	107	110	106	102	104	106	107	105	92	93	99	103	101	99	101	99	0	15 46	113	6 47	86	27
9			✓	95	87	85	91	93	88	81	85	98	108	118	125	133	127	131	125	108	102	106	109	111	105	101	100	105	1	12 53	140	6 48	78	62
10				94	86	86	87	87	85	67	64	72	81	94	103	107	107	106	97	91	75	83	96	97	96	96	95	90	1	14 12	116	7 20	58	58
11				93	85	86	95	96	90	77	77	85	95	104	115	135	143	136	122	106	97	86	90	95	95	94	92	100	0	13 40	146	6 58	75	71
12				91	86	86	85	95	94	82	85	98	115	130	144	154	153	138	123	115	100	88	97	98	98	97	95	106	0	12 30	156	6 42	76	80
13				93	90	86	86	87	88	84	85	97	115	125	138	128	131	117	106	97	95	84	87	91	95	100	100	100	0	11 27	145	7 00	80	65
14	✓			98	96	97	97	102	103	89	86	96	109	126	135	142	147	143	125	112	103	96	97	104	103	102	101	109	0	13 42	152	6 53	84	68
15				98	102	98	98	104	105	86	78	88	101	106	114	124	133	127	120	104	100	93	95	95	95	94	94	102	0	13 23	136	7 27	75	61
16				94	91	93	91	99	100	85	84	86	93	106	110	116	123	114	101	91	92	85	86	95	96	96	93	97	0	13 24	125	7 10	82	43
17				94	94	92	94	95	100	88	89	93	93	107	130	124	138	143	123	104	91	83	88	92	94	94	94	102	1	14 50	146	18 50	81	65
18				94	94	94	94	95	93	74	64	65	76	93	104	121	128	131	110	101	88	86	92	95	100	101	99	96	1	14 10	150	7 57	61	89
19			✓	95	90	84	80	77	77	55	46	61	82	104	128	133	126	122	102	84	81	85	94	97	99	95	93	91	1	12 10	158	7 58	35	123
20				86	84	86	89	92	85	61	51	54	72	80	102	116	138	144	126	105	92	84	89	94	95	94	93	92	1	14 22	149	7 00	49	100
21			✓	91	87	85	85	86	84	69	64	71	94	106	112	126	142	134	111	88	80	81	90	93	90	89	86	94	1	13 44	145	7 58	57	88
22				86	86	85	86	87	83	54	47	63	72	95	123	125	130	132	125	112	99	93	95	95	94	91	90	94	1	14 40	135	7 28	43	92
23	✓	✓		89	85	86	89	93	91	72	74	85	94	108	123	133	135	134	125	110	98	94	99	96	95	93	90	100	0	13 23	140	6 50	66	74
24	✓	✓		86	86	90	86	84	93	79	75	83	94	106	119	134	142	144	130	105	95	93	94	96	92	90	87	99	0	14 24	150	6 52	73	77
25	✓			89	86	86	90	93	92	81	74	66	67	78	93	115	126	135	125	110	99	90	93	94	92	90	86	94	1	14 49	140	9 01	61	79
26	✓	✓		86	84	84	88	93	94	83	79	90	95	102	115	125	130	125	113	101	96	85	89	94	94	93	90	97	0	13 27	132	7 07	75	57
27	✓	✓		90	89	92	95	96	99	85	77	79	76	88	102	114	128	124	115	106	96	84	86	90	89	90	89	95	0	13 54	134	9 22	74	60
28	✓			86	85	85	85	86	92	74	73	80	76	94	97	105	124	130	124	118	107	94	95	96	96	93	87	95	0	14 24	132	6 50	68	64
29																																		
30																																		
31																																		
MEANS ALL DAYS				93	90	90	91	94	93	80	80	91	101	111	121	127	133	130	117	103	93	88	94	97	97	96	94	100						72
MEANS TEN DAYS ✲				89	88	88	90	93	94	81	81	91	97	108	116	123	130	130	120	107	96	90	94	97	95	94	92	99						66
MEANS FIVE DAYS † (G. M. T.)				89	87	88	89	91	94	82	80	88	93	103	113	122	128	127	118	105	95	90 90	94 93	95	95	93	90	98						
MEANS FIVE DAYS ‡ (G. M. T.)				97	92	92	90	93	91	79	83	97	114	125	135	142	143	141	123	103	91	93	92	97	97	99	98	104						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⧖ = NO RECORD

TABLE 67

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1937 — MARCH 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	86	86	86	84	85	83	71	71	82	95	104	114	114	124	141	142	118	111	115	112	107	100	95	93	101	1	14	36	146	6 50	65	81
2				95	93	94	100	105	113	99	94	96	91	86	76	93	114	121	115	113	104	96	94	94	94	94	94	99	0	13	56	125	11 08	72	53
3	✓	✓		92	89	89	93	95	100	85	74	72	75	87	99	112	127	134	129	120	104	90	91	92	92	87	86	96	0	14	20	137	7 57	69	68
4				84	83	83	89	93	95	87	82	84	84	91	97	104	113	112	103	96	93	88	92	93	94	92	90	93	0	13	30	115	9 38	74	41
5			✓	93	87	93	94	101	104	82	67	83	77	91	105	127	136	146	137	122	106	93	93	88	92	95	96	100	2	14	51	153	7 08	60	93
6	✓			95	95	95	99	102	100	75	57	56	64	74	84	96	110	110	109	104	95	90	91	92	93	92	89	90	0	14	06	114	7 46	53	61
7	✓	✓		85	87	90	92	94	95	84	82	85	84	86	92	97	113	122	114	103	93	85	88	92	91	90	88	93	0	14	20	124	7 01	79	45
8	✓	✓		86	85	86	90	92	94	86	82	84	86	94	104	112	123	125	114	105	95	84	85	85	89	88	86	94	0	14	10	130	7 22	79	51
9	✓			92	92	90	91	93	93	76	66	66	71	80	95	110	120	123	122	114	103	91	89	92	93	87	86	93	0	14	58	126	7 46	64	62
10	✓			85	84	84	86	92	93	83	75	74	78	86	94	104	116	114	106	103	95	90	90	92	90	86	85	91	0	13	30	120	7 43	72	48
11		✓		85	85	85	87	93	95	92	93	104	101	103	104	106	121	115	113	104	94	85	85	86	89	87	85	96	0	13	55	125	1 30	83	42
12	✓	✓		84	84	84	86	90	89	75	71	81	93	113	121	120	112	105	93	85	85	83	85	87	88	86	84	91	0	11	44	124	7 20	68	56
13				84	84	84	85	91	91	80	73	75	82	100	116	119	120	114	110	105	104	104	113	105	96	95	94	97	1	11	56	125	7 16	71	54
14				92	94	94	97	103	103	90	82	82	84	87	103	121	132	125	111	100	91	86	89	90	93	93	93	97	1	13	34	135	7 18	80	55
15			✓	89	85	88	94	103	95	74	67	78	80	104	122	137	138	131	113	95	92	93	94	94	94	93	91	98	1	13	08	142	7 15	55	87
16				90	90	91	93	95	94	80	71	72	74	87	106	130	141	143	134	114	104	94	93	94	91	88	89	98	0	13	48	147	7 26	69	78
17				92	93	92	94	95	94	80	74	79	84	93	115	131	138	134	123	107	104	95	94	93	92	92	91	99	0	13	50	144	7 14	72	72
18	✓			90	91	88	92	95	95	85	83	87	103	122	141	145	138	126	110	95	93	88	87	90	90	90	86	100	0	12	20	148	7 10	81	67
19	✓			86	85	85	86	92	93	85	84	85	92	104	127	139	138	126	113	100	93	84	84	85	88	88	89	97	0	13	00	142	7 37	83	59
20	✓			91	91	89	91	93	92	83	77	85	93	104	113	115	115	106	95	90	89	85	85	86	87	86	86	93	0	12	50	116	7 38	75	41
21				88	88	86	87	92	92	83	73	72	75	73	84	89	94	87	83	80	79	84	86	87	87	87	83	84	0	13	45	96	7 44	67	29
22				81	83	80	76	77	82	84	66	56	80	86	102	110	116	105	101	91	90	91	88	92	94	94	90	88	1	13	28	124	8 04	44	80
23				86	84	85	86	92	93	94	91	84	84	86	96	103	95	89	82	79	82	83	86	88	89	87	86	88	0	12	12	108	16 12	77	31
24				86	85	85	88	91	92	86	85	89	96	105	117	133	129	112	101	96	95	94	91	90	88	86	86	96	0	12	30	136	7 10	83	53
25				84	84	85	86	88	90	83	80	78	82	93	105	111	113	104	95	91	87	86	85	86	90	87	85	90	0	13	25	115	9 00	75	40
26				85	85	85	85	88	87	84	83	82	88	107	117	129	124	106	94	93	90	96	86	86	94	90	85	94	0	12	28	135	8 20	78	57
27			✓	85	83	77	82	80	91	87	87	80	97	82	95	114	119	105	95	92	92	95	96	94	92	93	91	92	1	13	17	127	4 20	72	55
28				89	86	86	93	87	93	90	85	90	93	101	110	115	114	103	90	81	81	83	86	90	89	84	84	92	0	12	56	118	17 27	78	40
29				85	86	86	89	90	91	88	87	92	95	103	107	113	102	85	76	76	78	84	86	87	89	85	81	89	0	12	18	115	16 20	75	40
30				84	85	85	86	89	92	94	102	113	126	136	140	140	134	111	92	84	80	81	82	82	82	84	84	99	0	11	35	145	17 13	77	68
31			✓	82	82	78	94	103	105	86	85	104	115	122	132	147	146	131	115	105	96	86	93	93	92	94	91	103	1	13	03	155	1 53	66	89
MEANS ALL DAYS				87	87	87	90	93	94	84	79	82	88	96	108	117	122	116	107	99	93	90	90	91	91	90	88	95							58
MEANS TEN DAYS ✻				89	88	88	91	94	94	82	75	78	84	95	107	115	121	119	110	102	94	87	88	89	90	88	86	94							56
MEANS FIVE DAYS † (G. M. T.)				86	86	87	90	93	95	84	80	85	88	97	104	109	119	120	113	103	94	89 85	90 87	91	91	90	88	95							
MEANS FIVE DAYS ‡ (G. M. T.)				87	85	84	90	94	96	80	75	85	93	101	114	128	133	131	120	106	99	96	89	89	92	90	88	98							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

TABLE 68

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1937 — APRIL 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				90	90	90	91	92	87	83	83	93	96	96	104	121	128	125	114	94	85	85	85	86	91	88	87	95	0	13 50	135	7 16	80	55
2				90	93	95	94	101	104	73	67	65	71	75	84	94	105	92	82	76	83	84	84	85	85	88	84	86	1	13 20	110	8 30	63	47
3				86	94	94	95	93	85	84	85	92	114	123	125	139	133	116	104	92	84	84	86	86	90	91	91	99	1	13 00	144	6 03	81	63
4				93	92	91	92	92	85	81	79	81	84	91	100	116	125	121	105	87	82	82	84	84	86	86	86	92	0	13 50	129	6 47	76	53
5	✓			86	88	88	93	94	94	90	83	83	85	85	96	125	133	118	107	96	90	85	85	86	86	86	84	94	0	13 22	135	8 00	80	55
6	✓			83	83	84	86	92	94	94	84	84	84	89	95	106	105	104	95	90	85	84	83	84	85	84	82	89	0	12 41	113	9 12	79	34
7	✓			79	79	81	83	85	90	87	84	85	90	96	102	107	114	105	90	84	83	82	81	82	83	84	82	88	0	13 15	120	1 23	77	43
8	✓	✓		82	81	82	85	87	92	94	87	82	83	84	83	93	98	92	83	81	83	84	82	83	85	85	83	86	0	13 13	101	1 24	79	22
9		✓		82	81	82	84	86	89	90	87	86	85	92	93	95	98	90	82	75	79	83	82	82	84	84	83	86	0	13 00	101	16 40	74	27
10	✓	✓		81	81	81	84	86	86	87	85	84	83	95	106	110	105	98	90	86	85	85	85	87	84	85	83	88	0	12 20	112	2 00	80	32
11	✓			82	83	83	84	87	92	91	93	103	111	115	112	104	96	87	80	80	83	84	84	84	83	82	81	90	0	10 34	121	16 00	77	44
12				82	82	83	84	92	96	95	101	106	112	118	111	104	97	86	78	81	77	81	75	82	86	87	86	91	1	10 15	129	15 30	72	57
13	✓			87	89	86	91	91	91	87	90	96	103	112	123	119	110	100	94	83	83	85	83	84	85	85	86	93	0	11 50	125	17 20	81	44
14	✓	✓		86	87	88	89	90	90	85	79	74	74	85	98	104	104	99	87	79	82	84	81	84	85	86	86	87	0	12 57	106	8 50	72	34
15	✓			85	86	86	85	84	84	83	82	82	82	90	97	100	97	95	93	86	84	82	83	83	84	84	84	87	0	11 50	103	9 36	79	24
16		✓		83	83	83	84	86	90	85	76	77	81	87	97	96	96	98	95	91	87	86	84	84	85	85	84	87	0	11 30	100	7 55	74	26
17				83	82	82	84	86	92	92	89	85	82	84	91	99	102	104	94	86	84	83	83	84	85	84	83	88	0	14 10	107	9 24	80	27
18				84	84	84	86	90	84	96	83	82	79	85	94	103	107	103	92	84	81	82	80	82	83	83	79	87	0	13 28	111	9 37	75	36
19				79	82	83	83	86	95	95	94	92	87	94	103	107	111	106	96	87	84	86	85	84	85	83	79	90	0	13 08	115	2 55	76	39
20				80	79	79	81	85	86	86	90	86	93	98	106	113	120	115	95	84	83	79	79	83	77	76	79	89	0	13 45	124	22 57	75	49
21				84	83	82	81	84	85	84	74	73	74	81	95	105	105	102	93	86	84	85	83	84	85	84	84	86	0	13 14	109	7 37	69	40
22	✓			84	84	84	86	92	93	86	79	71	70	74	83	92	99	104	100	87	84	83	80	80	83	84	·82	85	0	14 47	107	9 30	68	39
23				82	83	84	85	87	90	86	74	69	83	90	101	112	112	104	93	85	81	82	81	82	81	82	81	87	0	13 08	115	8 20	65	50
24			✓	82	82	83	85	90	93	93	99	102	95	105	112	114	103	94	75	65	70	84	84	94	100	94	95	91	2	11 09	127	16 15	61	66
25			✓	95	98	99	103	105	115	118	124	123	117	122	122	102	99	83	75	75	77	85	90	92	92	92	91	100	2	11 12	145	15 33	44	101
26			✓	91	92	93	95	103	112	106	96	90	87	90	105	107	96	76	80	76	79	130	95	104	102	108	112	97	2	18 05	155	17 30	59	96
27			✓	116	114	112	107	109	116	125	123	108	98	95	106	110	97	91	85	86	87	96	87	86	87	75	75	100	2	6 47	131	22 52	70	61
28			✓	84	80	79	85	106	122	103	123	134	126	121	111	120	134	122	104	90	84	87	93	93	93	93	94	103	2	7 48	148	2 55	72	76
29				94	95	92	95	96	94	88	91	86	93	101	110	113	114	121	107	95	88	85	83	86	94	94	96	96	1	14 20	124	19 26	82	42
30				94	93	94	96	102	101	94	91	97	98	106	122	132	136	122	102	92	92	91	90	95	94	89	91	101	1	13 12	140	7 27	86	54
31																																		
MEANS ALL DAYS				86	87	87	89	92	94	91	89	89	91	96	103	109	109	102	92	85	83	86	84	86	87	86	86	91						48
MEANS TEN DAYS ✲				84	84	84	87	89	91	88	85	84	86	92	100	106	106	100	92	85	84	84	83	84	84	84	83	89						37
MEANS FIVE DAYS † (G. M. T.)				83	83	83	85	87	89	88	83	81	81	89	95	100	100	95	87	82	83	83 84	82 83	83	84	84	84	87						
MEANS FIVE DAYS ‡ (G. M. T.)				94	93	93	95	103	112	109	113	111	105	107	111	111	106	93	84	78	79	96	87	92	92	90	91	98						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 69

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1937 — MAY 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				93	90	86	92	91	91	80	79	78	91	100	109	114	114	116	108	94	85	84	85	85	86	87	86	93	0	13 50	119	8 24	73	46
2	✓			87	90	91	92	94	95	94	87	84	83	82	89	103	111	108	99	89	83	82	82	83	85	85	85	90	0	13 44	113	10 30	79	34
3				85	85	86	91	94	95	94	94	86	82	93	105	114	120	115	95	83	75	72	74	75	75	74	80	89	1	12 48	124	18 33	66	58
4			✓	84	85	87	92	94	95	94	83	73	72	79	97	120	124	105	93	83	80	74	72	76	81	78	75	87	1	13 16	134	8 53	68	66
5			✓	74	84	70	87	106	116	144	161	154	153	117	104	114	110	96	92	84	82	85	86	89	87	85	85	103	2	7 29	174	2 19	60	114
6	✓	✓		87	89	91	92	92	96	97	99	95	94	103	105	106	107	102	94	87	86	85	82	83	84	85	83	93	0	13 30	110	19 40	81	29
7	✓	✓		84	87	87	88	91	92	91	87	84	78	84	91	92	98	95	85	76	81	79	78	82	84	85	84	86	0	14 00	101	16 50	74	27
8	✓			84	85	85	86	86	87	88	83	76	69	65	65	75	81	84	87	85	85	83	82	83	84	87	85	82	0	6 06	91	11 05	63	28
9				83	85	86	88	94	94	98	92	63	53	51	63	80	85	94	95	94	89	86	86	88	90	92	85	84	1	6 40	103	9 10	42	61
10				84	89	88	90	91	99	110	104	97	82	72	68	71	78	90	95	93	90	83	78	84	85	83	84	87	0	6 20	113	11 17	65	48
11				83	84	84	86	94	98	105	115	114	105	93	87	89	84	84	85	87	84	82	81	82	83	84	83	90	0	7 45	120	19 30	79	41
12	✓			81	82	83	84	86	90	90	88	86	85	84	91	95	102	106	103	91	77	74	73	75	76	80	81	86	0	14 30	109	18 53	72	37
13				81	83	84	84	85	87	92	95	92	92	96	95	93	92	89	85	75	74	75	75	76	80	80	80	85	0	10 56	102	16 50	72	30
14				78	77	74	81	86	87	93	103	99	87	98	112	110	99	94	84	75	76	76	75	82	84	82	78	87	0	11 50	116	3 00	71	45
15				81	82	82	82	84	86	96	101	94	84	84	90	89	92	92	91	82	77	80	81	83	84	82	80	86	0	7 25	104	17 20	75	29
16	✓			80	83	83	83	85	92	96	97	86	82	86	85	103	110	105	105	94	85	82	78	81	83	83	81	89	0	13 10	114	9 50	75	39
17				81	79	80	82	85	92	105	112	106	102	95	94	94	93	95	94	86	80	76	75	76	77	78	79	88	0	7 10	113	18 50	74	39
18		✓		78	79	81	82	83	93	100	101	98	93	93	92	101	111	102	91	78	79	78	80	81	81	80	79	88	0	13 20	115	16 45	75	40
19				74	73	75	74	82	87	85	96	92	83	82	87	100	109	103	100	93	84	80	76	77	80	82	79	86	0	13 30	113	1 20	71	42
20	✓	✓		77	76	76	80	80	83	83	83	77	76	81	96	115	122	117	106	95	80	75	75	76	79	82	78	86	0	13 13	124	19 00	73	51
21	✓			78	83	83	82	86	86	82	76	72	62	64	82	77	85	94	94	89	84	78	75	76	78	81	80	80	1	15 10	96	10 10	58	38
22	✓			78	82	80	77	82	85	88	84	73	70	71	72	69	72	85	93	91	83	75	74	76	80	82	81	79	0	6 27	95	12 39	65	30
23	✓	✓		80	79	76	83	85	92	97	98	94	86	82	87	94	96	93	84	80	76	78	79	83	84	83	82	85	0	7 10	101	2 10	74	27
24				80	81	82	82	84	91	94	91	85	82	74	74	84	96	96	87	79	75	73	74	75	77	78	75	82	0	13 38	101	18 37	70	31
25				82	83	85	82	83	95	102	125	133	107	95	86	73	67	70	72	74	82	81	76	82	85	83	81	87	0	8 35	143	13 30	64	79
26				82	79	84	86	90	99	106	108	105	97	95	89	80	78	83	86	87	86	77	75	75	78	81	80	87	0	6 56	113	20 48	72	41
27			✓	82	83	84	85	86	92	95	112	95	91	90	86	95	87	92	85	92	87	90	90	85	82	81	75	88	1	7 33	120	23 22	67	53
28			✓	84	88	93	94	97	100	93	113	113	102	102	96	102	106	105	94	91	93	96	84	85	81	84	79	95	1	7 54	121	23 30	75	46
29			✓	80	81	84	84	80	85	97	106	110	105	102	95	91	85	88	84	76	82	81	81	81	82	82	79	88	1	7 52	112	16 45	71	41
30				83	84	84	86	90	95	95	105	106	105	108	112	105	94	86	83	83	81	77	82	85	84	85	85	91	0	11 10	114	18 12	75	39
31				83	83	84	84	84	87	95	104	98	88	81	75	80	85	81	82	75	75	76	77	76	80	80	81	83	0	7 45	106	17 20	72	34
MEANS ALL DAYS				82	83	83	85	88	92	96	99	94	88	87	90	94	97	96	91	85	82	80	79	81	82	82	81	87						44
MEANS TEN DAYS ✱				82	84	84	85	87	90	91	88	83	78	80	86	93	98	99	95	88	82	79	78	80	82	83	82	86						34
MEANS FIVE DAYS † (G. M. T.)				81	82	82	85	86	91	94	94	90	85	89	94	102	107	102	92	83	80	80 79	79 79	80	82	82	81	88						
MEANS FIVE DAYS ‡ (G. M. T.)				81	84	84	88	93	98	105	115	109	105	98	96	104	102	97	90	85	85	85	79	79	79	80	78	92						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
▢ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 70

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1937 — JUNE 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			84	84	86	92	93	95	104	114	110	96	84	72	68	74	78	83	83	79	75	76	75	76	79	78	85	0	7 40	116	12 10	65	51
2	✓			81	83	84	85	86	87	86	86	92	93	101	100	98	95	95	85	74	75	75	75	74	78	78	77	85	0	10 38	105	16 57	70	35
3	✓			80	82	84	84	85	86	87	85	81	74	69	72	80	85	90	88	83	75	73	74	75	75	75	76	80	0	6 33	93	10 36	66	27
4	✓			76	77	80	82	83	85	94	102	96	91	85	94	105	99	92	93	86	82	76	76	77	76	76	75	86	0	12 45	110	23 57	72	38
5			✓	75	77	82	85	88	90	88	100	87	85	81	81	89	92	99	101	86	83	87	85	86	83	86	85	87	1	7 38	106	0 20	71	35
6			✓	77	77	80	83	86	89	105	114	116	97	96	94	91	96	96	93	79	76	75	77	83	84	83	84	89	1	8 50	121	0 45	72	49
7				86	87	90	94	96	105	111	111	103	85	74	71	74	84	81	70	66	72	72	74	75	80	82	82	84	0	6 53	117	16 00	64	53
8	✓			81	84	91	93	91	92	98	99	97	92	83	87	83	83	83	78	75	75	74	76	77	79	81	80	85	0	7 04	105	18 30	72	33
9		✓		81	83	84	85	87	91	92	86	80	68	63	61	64	62	63	75	76	77	73	72	74	76	77	77	76	0	6 10	94	11 10	58	36
10				76	78	75	72	81	85	95	96	100	94	78	74	76	85	82	83	81	81	75	77	81	82	79	77	82	1	8 05	103	3 35	71	32
11	✓	✓		77	75	74	76	77	85	100	107	112	109	97	94	89	84	86	87	81	75	68	69	74	76	79	78	85	0	8 03	115	18 50	66	49
12	✓	✓		77	78	78	78	79	82	87	95	91	90	93	98	105	106	98	88	75	73	75	72	73	74	74	74	84	0	12 10	108	17 18	69	39
13			✓	73	73	75	74	64	61	63	72	86	85	89	88	93	89	96	95	94	86	76	75	78	84	80	77	80	1	11 50	103	6 21	55	48
14				76	76	78	81	83	83	85	94	97	96	106	116	125	126	111	85	75	73	69	68	73	74	75	75	88	0	13 07	130	18 51	66	64
15				75	73	74	77	78	78	75	84	87	80	78	84	86	85	87	84	76	78	70	75	76	76	77	77	79	0	8 03	94	18 35	66	28
16				74	77	77	76	75	81	87	93	93	92	92	91	100	105	97	84	74	72	73	73	76	75	75	73	83	0	13 14	111	17 03	71	40
17				69	73	75	75	74	76	90	91	76	72	82	82	84	87	76	70	74	75	74	74	75	77	79	76	77	0	7 10	102	9 25	66	36
18				76	75	74	74	78	85	104	116	109	101	87	95	96	100	92	89	82	76	73	73	73	73	73	73	85	0	7 16	121	2 06	67	54
19		✓		74	74	75	75	76	83	84	82	69	56	61	72	85	93	105	105	91	78	73	71	72	72	73	73	78	0	15 17	110	10 06	53	57
20			✓	62	62	74	79	80	83	94	97	84	69	60	58	62	73	90	88	82	75	72	76	75	73	77	77	76	1	7 04	104	1 10	53	51
21				72	81	82	84	90	95	109	123	118	100	83	80	85	83	72	71	71	68	65	65	72	75	79	77	83	0	7 38	128	18 50	63	65
22				78	79	78	81	83	91	93	105	96	86	82	81	80	76	62	58	57	59	65	63	65	72	73	74	77	1	7 32	110	16 02	52	58
23	✓			75	78	80	82	83	91	107	117	102	65	76	72	73	73	75	65	63	72	72	69	71	73	75	74	79	0	7 20	122	16 40	62	60
24				74	72	67	71	74	82	94	103	100	92	81	80	93	100	98	94	82	79	72	69	73	78	75	75	82	1	8 10	111	10 44	66	45
25				71	71	73	77	80	85	100	107	103	93	93	91	82	84	78	64	63	67	71	71	74	76	79	78	80	0	7 13	112	16 30	61	51
26		✓		76	76	78	79	79	84	94	100	98	94	84	84	91	90	83	74	72	71	70	70	72	75	74	77	81	0	7 23	102	18 40	68	34
27			✓	79	80	83	90	89	92	105	102	93	85	82	76	81	79	69	60	62	72	70	72	71	81	80	71	80	1	6 52	121	16 07	53	68
28				73	68	72	74	72	79	93	123	134	128	112	94	91	77	69	61	54	64	72	71	72	73	79	78	83	0	8 50	139	16 30	52	87
29	✓			76	75	78	80	82	82	84	93	100	99	92	91	100	108	105	79	68	67	71	70	71	73	78	76	83	0	13 56	112	17 15	63	49
30	✓			77	78	74	75	79	81	87	97	100	95	89	80	74	72	63	61	62	67	69	71	70	74	75	76	77	0	8 10	102	15 17	58	44
31																																		
MEANS ALL DAYS				76	77	78	80	82	85	93	100	97	89	84	84	87	88	86	80	75	74	72	73	74	76	77	77	82						47
MEANS TEN DAYS ✲				78	79	81	83	84	87	93	100	98	92	87	86	88	88	86	81	75	74	73	73	74	75	77	76	83						42
MEANS FIVE DAYS † G. M. T.				77	77	78	79	80	85	91	94	90	83	80	82	87	87	87	86	79	75	72 72	73 71	76	77	78	77	81						
MEANS FIVE DAYS ‡ G. M. T.				73	74	79	82	81	83	91	97	93	84	82	79	83	86	90	87	81	78	76	75	76	76	77	77	82						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 71

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1937 — JULY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				77	79	73	73	80	82	82	88	95	93	100	105	104	92	83	82	78	71	68	70	70	73	74	76	82	0	11	53	18	46	47
2				77	77	76	79	80	81	83	93	94	96	103	104	112	108	93	85	73	71	65	66	71	73	75	75	84	0	12	50	18	56	51
3	✓	✓		75	75	74	73	80	88	95	95	83	73	71	81	87	90	87	82	70	65	65	67	69	71	73	73	78	0	7	21	17	08	35
4	✓			74	75	80	82	83	83	84	83	84	75	78	80	80	80	78	73	72	67	63	64	65	70	71	73	76	0	8	10	18	39	30
5				74	75	76	76	77	83	83	84	78	64	64	78	79	72	65	62	58	61	62	61	63	71	72	73	71	0	7	36	16	50	31
6				72	73	73	73	73	73	84	98	92	82	73	81	89	94	89	80	81	83	83	83	81	80	79	80	81	0	8	19	10	14	48
7				80	81	80	81	82	95	112	122	110	83	73	71	74	79	72	65	59	58	63	64	69	72	72	72	79	1	7	20	17	15	78
8	✓	✓		72	72	72	72	73	76	83	89	83	75	79	82	89	95	95	85	73	72	69	66	70	72	74	73	78	0	12	13	19	00	35
9				72	73	74	74	73	80	84	96	104	103	83	85	85	83	73	61	54	63	76	84	76	80	80	81	79	1	9	36	16	30	69
10				79	80	79	75	78	83	93	115	123	113	104	97	98	100	94	81	71	65	66	65	70	71	71	72	85	0	8	10	17	26	63
11				71	71	72	72	71	72	73	83	84	83	90	74	83	81	79	81	79	78	82	86	84	79	74	72	78	1	10	00	11	25	30
12	✓			72	72	72	73	75	80	81	80	73	63	62	72	82	93	101	98	89	77	69	69	71	71	71	72	77	0	14	20	9	58	45
13				72	72	73	74	76	80	82	83	84	74	63	74	90	92	93	87	80	74	71	64	64	67	66	64	76	0	14	40	10	30	34
14			✓	64	69	66	62	59	75	95	111	112	98	94	82	83	82	87	85	82	73	71	72	75	79	77	74	80	1	7	30	11	53	70
15				73	72	74	75	74	75	85	98	94	86	82	84	86	103	103	94	80	73	72	69	72	73	74	74	81	0	14	00	19	00	39
16	✓			74	75	78	78	80	82	93	97	89	79	74	80	92	95	91	94	81	73	71	68	71	73	74	73	81	0	7	10	19	20	34
17				72	73	74	79	82	86	94	100	100	93	90	85	93	106	115	102	82	68	64	63	66	69	72	72	83	0	14	10	18	56	57
18	✓			72	73	74	75	79	82	80	81	73	71	72	72	81	84	90	91	78	68	64	63	64	66	69	69	75	0	14	50	18	57	32
19			✓	69	72	73	75	76	82	82	82	80	53	44	43	43	52	67	78	79	67	63	63	64	65	70	70	67	1	8	00	13	12	50
20			✓	70	69	80	83	91	93	105	115	109	89	73	73	72	76	78	71	67	64	63	65	70	71	72	71	79	0	7	47	18	57	73
21				70	72	72	72	70	78	88	97	94	87	79	78	81	82	84	83	73	67	73	79	85	89	83	74	80	0	6	46	17	10	40
22			✓	69	64	69	72	78	67	82	93	79	71	71	73	78	74	75	73	74	81	81	74	73	72	73	79	75	1	7	17	5	26	36
23				79	69	77	80	80	82	90	99	107	114	112	106	104	93	82	74	72	72	70	61	73	92	83	75	85	1	9	50	19	30	63
24			✓	77	75	73	75	77	84	94	108	112	109	100	93	94	93	85	80	75	73	75	74	79	77	78	72	85	1	8	13	23	37	48
25				72	75	76	81	85	91	104	101	101	99	83	79	82	75	86	83	73	67	72	66	72	73	73	73	81	0	6	54	17	06	52
26				73	75	80	74	82	89	105	114	109	96	85	93	101	101	103	92	71	65	70	66	69	71	73	74	85	0	7	20	17	00	56
27	✓	✓		74	74	76	79	79	77	74	89	92	84	82	90	87	93	103	103	96	83	72	70	71	72	73	74	82	0	15	10	19	50	37
28	✓	✓		74	73	72	74	78	82	96	102	95	86	84	81	91	102	104	101	84	73	70	66	70	72	73	73	82	0	14	12	19	10	42
29	✓	✓		72	73	74	76	80	83	83	77	63	54	55	64	73	74	80	87	85	78	72	70	69	71	72	73	73	0	15	50	9	45	39
30				73	74	77	81	83	85	90	92	91	83	85	93	101	107	102	90	80	74	69	67	67	68	69	69	82	0	14	00	20	20	44
31	✓			69	69	72	74	77	81	82	82	73	62	63	74	79	90	94	90	87	82	75	73	71	69	71	70	76	0	14	22	10	04	41
MEANS ALL DAYS				73	73	75	76	78	82	88	95	92	84	80	82	86	88	88	84	76	71	70	69	71	73	74	73	79						47
MEANS TEN DAYS ✲				73	73	74	76	78	81	85	88	81	72	72	78	84	90	92	90	82	74	69	68	69	71	72	72	78						37
MEANS FIVE DAYS † (G. M. T.)				73	73	74	75	78	81	86	90	83	74	74	80	85	91	94	92	82	74	68 70	66 68	70	72	73	74	79						
MEANS FIVE DAYS ‡ (G. M. T.)				70	70	72	73	76	80	92	102	98	84	76	73	74	75	78	77	75	72	71	66	70	76	74	70	77						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

TABLE 72

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1937

AUGUST 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				72	72	73	73	74	73	74	83	75	71	66	72	75	81	93	93	91	83	73	74	70	69	70	58	75	0	15	00	22	53	43
2			✓	57	43	40	71	85	95	113	125	113	112	102	94	85	85	91	82	72	69	71	73	74	77	79	78	83	1	9	33	2	18	104
3			✓	78	76	81	82	85	91	84	83	81	82	92	96	94	106	108	102	86	69	62	77	81	79	78	75	84	0	14	30	18	50	56
4			✓	75	75	72	73	83	89	100	103	103	101	96	101	93	102	90	84	81	74	72	72	72	73	74	73	85	1	7	25	2	33	37
5				72	72	74	77	82	88	102	107	102	93	94	92	94	101	105	94	82	77	75	74	74	81	77	74	86	0	7	20	1	33	40
6				73	73	70	73	74	81	87	89	78	63	54	50	46	53	62	71	70	67	64	63	67	71	72	72	68	0	7	13	12	00	47
7				65	65	72	74	80	85	101	101	103	109	100	98	87	85	90	82	73	73	70	71	73	77	77	75	83	0	9	16	1	00	56
8	✓			70	67	65	69	70	75	91	93	83	62	54	58	71	73	71	73	82	79	73	70	71	73	73	73	72	0	6	57	10	50	45
9	✓			72	72	72	72	75	85	103	110	103	96	82	82	80	81	84	92	84	73	71	68	69	72	73	72	81	0	7	38	19	40	67
10				66	64	67	72	77	84	103	113	108	92	72	64	70	69	61	69	73	79	73	72	72	73	72	71	76	0	7	23	14	10	58
11				70	69	71	72	75	83	104	108	92	78	69	68	72	65	72	75	72	70	68	63	64	67	69	69	74	0	7	20	13	50	63
12	✓			70	70	73	78	82	89	94	92	87	82	82	92	100	94	82	75	67	64	64	64	66	69	70	68	78	0	12	50	17	10	62
13	✓	✓		69	71	73	76	79	81	81	72	62	52	56	70	80	80	82	87	79	73	65	62	63	66	70	69	72	0	15	30	9	44	41
14				70	69	70	72	79	82	87	88	83	75	81	95	107	103	88	70	62	57	58	59	62	70	71	70	76	0	12	20	17	30	56
15				70	70	72	75	80	76	71	64	70	70	73	86	98	95	92	83	81	73	69	65	68	71	72	71	76	0	12	20	7	20	38
16	✓	✓		70	71	71	73	76	78	74	80	72	67	79	91	97	92	99	96	88	73	69	65	68	72	72	73	78	0	14	57	19	20	38
17	✓			73	73	73	74	75	75	72	72	66	63	76	89	93	84	83	82	83	81	76	74	73	73	73	72	76	0	12	20	9	20	34
18				72	71	73	76	80	82	80	78	68	61	66	81	81	76	81	87	88	80	74	70	70	71	69	70	75	0	16	10	9	50	33
19				70	67	70	73	75	83	88	76	59	45	52	55	52	53	55	62	73	72	68	67	65	67	70	70	66	0	6	20	9	50	42
20				70	71	71	72	74	78	82	81	72	52	38	48	61	62	63	74	75	72	72	71	72	72	73	73	69	0	6	40	10	36	49
21				73	73	73	75	79	83	88	94	99	85	79	83	82	73	74	73	71	71	69	64	65	69	71	70	76	0	8	31	19	50	39
22			✓	72	71	72	73	100	100	115	125	123	127	121	117	113	99	69	62	62	72	77	74	75	78	80	81	90	2	7	51	3	47	84
23				81	81	83	84	86	91	91	87	81	73	75	83	94	92	82	84	94	85	74	72	72	74	74	73	82	0	12	35	9	37	71
24	✓	✓		75	76	79	80	82	83	82	73	62	46	38	41	57	58	62	73	85	82	73	71	71	72	72	72	69	0	16	40	10	35	33
25	✓	✓		73	74	76	81	83	85	90	92	93	89	75	77	90	88	74	71	72	70	70	68	69	71	71	71	78	0	8	33	19	10	66
26				73	74	74	76	81	80	72	70	67	54	59	72	92	97	94	91	82	72	70	70	70	71	72	68	75	0	13	09	9	37	52
27			✓	64	69	71	72	73	71	65	65	71	80	90	83	89	112	102	97	95	88	82	75	76	75	75	73	80	1	13	48	7	40	51
28				71	70	70	71	63	59	62	72	81	98	112	127	113	93	82	73	75	74	71	71	73	73	73	73	79	0	11	36	5	14	57
29				73	75	72	70	66	71	82	84	91	91	83	91	95	92	80	75	72	71	72	71	72	72	72	70	78	0	12	20	4	45	63
30	✓	✓		69	69	69	71	72	69	66	62	61	67	82	106	122	122	114	104	92	75	66	63	65	69	70	68	79	0	13	10	7	57	58
31	✓			68	70	70	73	77	85	94	91	82	73	70	73	83	94	104	100	89	73	65	63	65	69	70	67	78	0	14	50	19	20	46
MEANS ALL DAYS				71	70	71	74	78	82	87	88	84	78	76	82	86	86	84	82	79	74	70	69	70	72	73	71	77						49
MEANS TEN DAYS ✲				71	71	72	75	77	80	85	84	77	70	69	78	87	87	86	85	82	74	69	67	68	71	71	70	76						44
MEANS FIVE DAYS (G. M. T.) †				71	72	74	76	78	79	79	76	70	64	66	77	89	88	86	86	83	75	70 69	69 66	70	72	72	71	75						
MEANS FIVE DAYS (G. M. T.) ‡				69	67	67	74	85	89	95	100	98	100	100	98	95	101	92	85	79	74	73	72	72	73	74	70	84						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

⌈ ⌉ = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⧍ = NO RECORD

TABLE 73

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

SEPTEMBER 1937 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) SEPTEMBER 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	66	67	66	70	76	83	84	73	58	46	34	43	70	93	99	102	90	65	62	63	67	70	68	68	70	1	15	20	104	11 00	24	80
2	✓			70	71	72	74	81	85	89	90	83	72	51	42	49	58	60	70	78	74	71	70	69	65	69	70	70	0	7	30	91	11 14	37	54
3	✓	✓		65	66	72	75	80	90	100	91	80	62	49	43	53	62	65	75	75	63	62	64	67	70	70	62	69	0	6	30	102	11 15	39	63
4				60	65	72	73	75	81	83	83	80	74	65	69	80	92	92	83	80	72	69	71	71	71	70	65	75	0	13	40	97	0 20	59	38
5	✓			65	68	70	72	79	82	88	86	90	84	82	84	84	90	83	82	76	72	71	69	70	71	70	70	77	0	8	10	92	0 00	63	29
6	✓			70	70	70	71	73	80	93	101	101	94	72	79	89	87	82	87	82	74	74	72	70	70	70	67	79	0	9	11	103	24 00	65	38
7	✓			64	65	66	64	70	75	95	109	119	119	102	96	113	122	107	86	73	71	71	69	69	70	69	68	85	0	13	06	125	1 20	63	62
8	✓			66	69	70	72	74	77	73	72	70	69	67	73	88	91	92	90	78	70	66	70	70	70	71	69	74	0	14	38	93	10 46	64	29
9	✓			70	70	72	73	79	80	78	69	62	62	56	48	50	53	62	77	80	77	71	70	69	69	70	66	68	0	16	03	83	11 40	43	40
10			✓	70	70	72	72	80	84	85	86	83	77	76	80	85	93	93	92	80	63	67	69	58	73	81	75	78	1	14	33	101	20 30	53	48
11			✓	63	63	77	77	75	72	71	85	89	83	89	96	105	116	106	99	87	78	76	77	73	72	72	70	82	1	13	40	119	1 04	54	65
12		✓		72	72	73	77	80	82	80	72	70	70	74	83	90	89	93	90	79	69	69	70	70	68	66	66	76	0	14	23	97	23 20	65	32
13				66	67	62	69	73	81	82	71	70	65	60	62	74	81	86	89	80	73	71	71	72	73	72	72	73	0	15	07	92	10 52	56	36
14			✓	68	67	72	70	71	72	62	60	55	55	53	62	82	94	92	66	81	71	71	75	71	71	70	71	71	1	14	00	97	10 04	51	46
15				71	70	71	74	74	74	70	60	60	58	67	83	101	102	94	88	77	72	70	68	69	70	71	69	74	0	13	05	104	9 13	55	49
16				72	73	72	78	82	83	82	80	76	70	67	57	63	83	84	75	72	67	67	67	67	69	69	64	72	0	13	43	93	11 15	50	43
17				69	68	73	74	79	82	91	89	78	72	65	70	79	84	85	92	84	71	71	70	68	63	64	68	75	0	7	08	94	10 10	61	33
18				68	68	71	72	72	78	83	82	73	63	65	72	75	77	82	87	80	72	67	71	69	71	71	68	73	0	15	06	88	10 00	58	30
19	✓			70	71	71	72	77	82	85	83	73	58	49	57	64	74	70	72	65	60	62	67	69	69	69	69	69	0	6	22	90	10 40	47	43
20				69	68	70	72	74	80	87	92	88	73	73	83	91	86	78	72	66	62	61	64	62	64	71	71	74	0	7	50	94	18 20	59	35
21				72	72	72	73	74	77	73	73	70	66	64	69	75	82	82	75	66	62	63	65	65	69	70	70	71	0	13	27	84	17 55	61	23
22				68	67	70	72	73	74	75	69	61	60	64	71	68	64	73	65	64	65	70	72	71	70	66	64	68	0	6	36	83	9 10	55	28
23				63	63	65	71	72	74	74	82	82	80	86	90	93	91	86	80	74	69	72	73	72	71	70	68	76	0	12	28	94	1 00	62	32
24				70	71	69	70	71	72	73	76	82	82	82	82	82	75	72	71	67	64	66	71	72	71	67	66	73	0	11	44	87	17 20	63	24
25		✓		66	67	67	68	70	72	79	83	91	93	92	91	91	86	79	73	64	65	65	71	72	72	71	65	76	0	10	13	96	16 40	63	33
26				65	62	61	64	70	71	72	74	75	75	87	88	93	93	92	83	78	71	69	70	70	71	71	69	75	0	12	11	97	2 40	60	37
27				65	64	63	65	70	71	64	64	71	72	71	73	73	80	76	75	73	68	65	67	67	67	63	62	69	0	13	10	83	23 50	61	22
28	✓	✓		62	62	62	70	71	66	63	63	68	64	53	74	85	93	90	100	94	73	64	64	65	64	63	64	71	0	15	38	104	2 15	60	44
29	✓	✓		64	63	64	68	67	65	54	37	24	21	34	56	67	82	95	102	85	66	63	64	64	64	65	65	62	0	15	10	111	9 13	16	95
30			✓	64	62	63	64	68	72	73	73	75	64	56	73	62	64	74	92	76	70	78	82	77	74	75	76	71	2	12	42	104	12 20	27	77
31																																		
MEANS ALL DAYS				67	67	69	71	74	77	79	78	75	70	67	72	79	85	84	84	77	69	68	70	69	69	69	68	73							44
MEANS TEN DAYS ✲				67	68	69	71	75	78	82	80	77	70	62	65	74	81	81	84	79	70	68	68	68	68	69	67	73							50
MEANS FIVE DAYS † (G. M. T.)				66	66	68	72	74	75	75	69	67	62	62	69	77	82	84	88	79	67	68 65	70 67	69	68	67	66	71							
MEANS FIVE DAYS ‡ (G. M. T.)				67	66	70	71	74	77	75	75	72	65	62	71	81	92	93	94	83	69	71	67	66	70	72	69	74							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 74

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1937 — OCTOBER 1937

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				74	73	75	76	73	65	49	51	51	54	68	91	109	116	32	113	84	72	71	72	74	74	74	73	78	1	14 40	136	6 38	43	93
2				70	71	69	72	73	75	73	75	75	73	88	106	111	105	94	75	56	54	63	71	70	69	67	67	76	0	11 54	114	17 06	53	61
3				64	63	64	70	70	61	39	24	21	23	33	66	80	76	72	61	56	61	63	52	65	74	64	71	58	1	14 06	92	9 50	8	84
4			✓	71	55	71	82	90	83	82	90	92	87	98	114	125	120	102	84	73	64	65	73	75	80	80	75	85	2	12 02	140	1 17	44	96
5				74	72	73	77	75	72	62	67	77	69	77	97	110	105	101	87	71	61	63	70	72	74	74	72	77	0	12 12	121	18 00	54	67
6	✓			71	70	71	72	73	67	60	64	72	72	82	101	108	102	93	84	72	62	63	71	70	71	69	67	75	1	12 00	123	6 43	54	69
7				63	56	60	62	68	61	55	53	51	63	81	100	117	127	93	72	65	61	65	77	72	73	74	80	73	1	13 30	133	8 39	35	98
8			✓	71	72	70	70	69	62	69	82	92	92	107	132	133	137	123	100	75	63	63	71	71	72	72	68	85	1	11 20	149	18 06	58	91
9			✓	65	65	63	65	64	62	50	51	48	59	52	73	113	112	108	90	72	59	53	59	72	81	80	76	70	2	13 57	141	10 21	3	138
10			✓	74	76	75	82	83	83	74	78	86	90	98	105	113	122	122	107	90	74	65	72	73	74	72	70	86	1	13 42	125	18 20	62	63
11			✓	67	63	63	68	68	67	66	63	60	69	57	65	72	85	72	62	50	54	66	70	72	72	73	73	66	2	9 30	114	10 33	24	90
12				72	72	72	70	79	80	74	71	73	73	74	68	63	60	72	72	67	66	66	77	80	77	75	75	72	1	14 40	91	13 03	55	36
13				73	73	72	71	72	73	74	76	76	85	90	86	90	92	90	75	60	54	61	67	71	71	69	67	74	0	10 44	93	17 20	53	40
14				66	72	72	72	71	70	61	72	85	90	102	119	112	96	82	72	55	54	62	68	71	72	71	71	77	0	11 53	122	17 20	52	70
15				64	64	61	65	62	63	51	52	51	54	67	91	92	94	87	72	61	62	68	72	72	72	71	70	68	0	13 20	100	7 50	44	56
16	✓			66	65	69	64	66	70	61	60	56	60	65	71	68	71	78	74	62	54	62	71	72	72	71	73	67	0	14 27	82	8 50	52	30
17	✓	✓		70	70	70	72	72	72	62	62	60	65	82	89	74	74	80	70	52	52	62	72	68	68	70	72	69	0	11 25	94	17 10	49	45
18	✓	✓		69	68	69	70	70	65	52	53	63	74	89	91	89	87	75	61	45	51	61	66	67	69	69	66	68	0	10 56	93	16 53	43	50
19	✓			64	64	63	63	64	63	61	52	44	53	73	88	91	92	80	62	50	52	60	66	69	68	67	65	66	0	13 10	95	8 42	42	53
20	✓	✓		64	64	64	65	65	65	61	59	53	53	63	80	94	102	92	80	64	61	60	63	70	71	70	65	69	0	13 10	104	9 10	51	53
21	✓			63	61	59	62	63	61	51	45	48	47	63	73	77	84	82	72	52	53	62	72	72	70	67	64	63	0	13 50	92	7 44	44	48
22				64	60	58	60	63	61	55	62	72	82	107	112	115	120	104	92	70	62	61	72	71	72	66	64	76	0	13 07	130	6 20	52	78
23				63	62	61	55	55	53	42	53	71	80	113	133	123	113	100	89	84	84	86	83	82	81	76	77	80	1	11 50	144	6 36	39	105
24				71	67	65	65	63	65	64	63	62	72	96	101	105	105	100	83	72	65	65	73	75	72	71	66	75	1	12 40	123	7 50	45	78
25				60	63	65	62	69	75	69	66	70	73	75	81	94	91	89	74	55	55	59	69	71	74	70	62	70	0	12 27	100	18 18	53	47
26				60	62	50	54	57	56	49	56	62	80	92	102	112	115	107	103	82	67	63	70	72	71	68	63	74	1	13 24	121	2 24	42	79
27				62	61	62	55	60	61	68	73	77	95	107	102	103	103	100	84	73	68	64	71	73	69	67	65	76	0	13 13	111	4 02	52	59
28				63	58	63	65	70	62	47	52	57	75	84	96	93	86	81	83	75	72	65	73	73	73	69	64	71	0	12 12	101	6 34	45	56
29	✓	✓		61	57	56	61	63	64	54	55	61	71	73	72	76	71	73	65	63	59	62	70	67	68	67	65	65	0	12 23	83	6 57	51	32
30	✓	✓		62	61	60	61	65	70	64	67	79	87	92	95	92	89	84	76	70	65	60	68	69	65	64	61	72	0	11 14	97	18 20	58	39
31	✓			61	61	61	62	62	62	57	63	71	83	93	93	89	88	82	68	54	56	62	69	72	70	66	63	70	0	11 02	95	16 30	52	43
MEANS ALL DAYS				67	65	65	67	68	67	60	62	65	71	81	93	98	98	92	79	65	61	64	70	72	72	70	69	73						66
MEANS TEN DAYS ✲				65	64	64	65	66	66	58	58	61	66	78	85	86	86	82	71	58	56	61	69	70	69	68	66	68						46
MEANS FIVE DAYS † (G. M. T.)				65	64	64	66	67	67	59	59	63	70	80	85	85	85	81	70	59	58	62 61	70 68	70	70	69	68	69						
MEANS FIVE DAYS ‡ (G. M. T.)				70	66	60	75	75	71	68	73	76	79	78	98	111	115	105	89	72	63	62	66	71	75	72	73	78						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 75

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1937 NOVEMBER 1937

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			60	57	58	61	63	62	55	63	71	82	95	94	86	84	87	75	64	62	67	75	77	70	71	70	71	0	11 00	100	6 26	54	46
2				66	63	62	62	64	56	45	54	64	75	89	93	92	102	91	70	61	56	60	72	72	70	66	63	70	0	13 23	112	6 20	43	69
3				62	59	59	59	60	53	37	53	72	94	110	121	115	105	86	66	51	45	51	62	64	64	62	61	70	0	11 34	124	6 26	35	89
4		✓		58	55	54	60	62	61	61	75	95	111	117	112	109	100	89	72	61	53	54	65	66	66	62	58	74	0	10 42	120	18 10	52	68
5	✓	✓		55	60	59	60	57	50	35	46	64	83	93	96	101	105	98	73	55	52	53	66	72	71	69	66	68	0	14 10	111	6 20	34	77
6		✓		62	56	58	60	60	47	32	42	58	79	90	89	92	99	92	70	57	51	53	65	71	70	68	65	66	0	13 50	102	6 20	30	72
7				63	61	60	57	55	50	32	42	63	88	93	89	104	104	92	74	64	68	71	74	86	84	80	70	72	1	12 14	116	6 43	30	86
8				70	66	64	66	68	63	52	42	46	60	72	78	84	84	75	73	60	50	54	71	69	72	70	70	66	1	12 14	100	8 07	41	59
9				65	72	67	65	72	63	54	58	71	81	83	86	88	83	73	53	42	42	53	61	65	69	70	69	67	0	12 50	93	17 00	39	54
10	✓			68	65	64	65	64	60	50	60	72	85	95	110	112	108	104	83	58	53	55	63	65	69	69	71	74	0	12 03	113	6 15	47	66
11				64	66	68	64	68	63	44	50	62	66	76	83	90	90	86	63	45	43	53	64	65	66	70	71	66	0	12 40	92	17 10	41	51
12	✓			70	63	62	62	62	55	46	46	54	64	71	72	70	68	68	63	53	53	58	64	70	70	67	63	62	0	12 00	81	7 30	43	38
13	✓			61	61	63	64	63	60	52	54	69	79	90	100	97	91	83	67	55	53	55	65	64	64	63	61	68	0	12 27	105	6 25	51	54
14	✓			60	60	59	60	62	55	44	51	62	71	78	89	91	87	81	73	54	48	54	63	64	65	65	64	65	0	11 32	92	6 43	43	49
15	✓	✓		61	58	58	59	55	51	44	52	62	72	73	82	84	86	83	74	62	59	59	64	67	64	63	62	65	0	13 30	88	6 20	43	45
16	✓	✓		61	60	61	62	62	57	47	50	60	62	69	75	80	84	83	73	62	57	57	63	65	66	64	63	64	0	13 30	85	6 30	44	41
17				58	54	53	53	57	51	45	53	63	76	90	92	86	79	77	71	60	51	54	63	67	70	72	72	65	0	11 08	96	6 18	44	52
18			✓	64	63	62	62	63	54	42	35	64	75	83	83	104	112	97	95	92	79	72	80	75	70	66	64	73	1	12 23	120	7 37	30	90
19			✓	60	57	58	50	52	39	27	23	48	62	80	83	84	84	82	86	84	76	71	75	74	71	67	61	65	1	11 50	100	7 22	13	87
20				62	57	62	61	54	52	42	55	75	91	100	93	84	94	93	92	82	72	64	66	65	64	64	63	71	1	10 53	108	6 20	40	68
21				61	60	57	57	60	54	43	54	66	69	75	85	93	98	92	76	71	63	59	64	68	65	64	63	67	0	13 20	102	6 37	42	60
22				54	55	60	57	53	41	42	52	80	102	113	130	116	96	83	76	68	62	60	65	64	65	65	64	72	1	11 25	134	5 37	37	97
23			✓	58	55	51	57	64	65	56	62	71	85	95	106	113	106	93	81	65	58	55	63	66	69	65	64	72	1	13 02	121	2 49	46	75
24				64	63	64	62	63	55	45	52	60	75	103	122	125	114	96	83	62	51	50	61	64	64	64	63	72	0	12 13	133	6 39	43	90
25	✓			62	60	60	60	60	50	32	33	40	52	65	80	85	90	87	70	61	56	53	62	68	66	63	61	62	0	14 10	94	6 40	30	64
26	✓			61	60	61	62	62	59	42	44	54	64	73	90	93	90	77	64	60	52	53	62	64	64	66	64	64	0	12 14	98	6 29	40	58
27				62	55	55	58	61	56	44	52	59	59	65	75	75	70	65	63	63	57	55	63	65	70	66	62	61	0	12 40	82	6 19	42	40
28				62	61	59	53	55	50	39	45	66	81	96	94	102	104	92	77	71	61	59	68	63	62	63	62	69	0	13 19	120	6 33	37	83
29			✓	56	52	53	51	47	47	32	33	42	54	71	92	90	100	102	62	61	59	66	73	73	75	71	71	64	2	14 00	122	7 30	27	95
30			✓	72	68	72	75	73	69	50	47	57	60	71	95	100	103	107	93	80	66	73	85	84	83	84	80	77	0	13 58	115	6 45	42	73
31																																		
MEANS ALL DAYS				62	60	60	60	61	55	44	49	63	75	86	93	95	94	87	74	63	57	58	67	69	69	67	65	68						67
MEANS TEN DAYS ✻				62	60	60	62	61	56	45	50	61	71	80	89	90	89	85	72	58	54	56	65	68	67	66	64	66						54
MEANS FIVE DAYS † (G. M. T.)				59	58	58	60	59	53	44	53	68	81	88	91	93	95	89	72	59	54	54 55	64 65	67	66	64	62	67						
MEANS FIVE DAYS ‡ (G. M. T.)				62	59	59	59	60	55	41	40	56	67	80	92	98	101	96	83	76	68	67	70	68	68	67	67	69						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 76

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1937 — DECEMBER 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				73	69	66	63	61	55	44	56	76	86	108	108	103	94	83	69	64	62	59	65	71	71	69	65	72	1	12 01	113	6 08	43	70
2				57	52	50	53	63	53	53	79	96	107	110	112	112	101	80	67	67	64	65	72	69	63	62	61	74	0	12 24	115	6 00	44	71
3	✓			55	55	55	54	60	55	47	66	85	91	90	76	68	71	72	66	61	63	63	70	71	65	64	59	66	0	9 40	93	6 20	44	49
4	✓	✓		54	49	46	48	52	52	52	67	91	94	102	112	102	85	80	71	57	48	49	63	67	70	70	65	69	0	11 20	113	18 10	45	68
5	✓			64	63	61	55	55	52	44	55	64	79	92	97	102	89	73	70	64	54	54	63	64	65	62	64	67	0	12 58	108	6 10	42	66
6				64	63	63	62	62	60	46	53	66	71	81	97	97	89	83	82	64	56	59	65	67	68	70	65	69	0	12 00	101	6 35	43	58
7				64	62	62	64	54	56	52	77	96	106	100	106	94	74	66	70	62	56	56	64	62	63	62	63	70	1	11 43	114	6 09	44	70
8				60	55	60	61	62	59	51	63	72	75	82	74	65	58	65	72	63	53	55	64	67	65	68	63	64	0	10 05	84	6 20	49	35
9				62	62	62	63	63	62	55	71	91	94	97	92	87	90	78	72	55	50	53	61	63	63	63	63	70	0	10 07	103	17 32	44	59
10				62	61	62	64	62	57	34	44	62	71	74	90	91	87	78	69	60	53	52	60	66	63	63	61	64	0	12 26	97	6 30	32	65
11				56	56	58	61	61	60	50	52	71	84	92	93	92	90	87	76	62	53	50	60	62	62	62	63	67	0	10 57	101	1 07	44	57
12	✓			63	62	63	62	63	61	54	63	79	88	92	98	100	99	100	87	67	57	59	63	64	64	64	63	72	0	14 40	102	6 19	52	50
13		✓		61	56	54	55	60	61	52	60	72	82	81	76	73	76	74	67	61	53	52	57	60	60	56	55	63	0	10 10	84	6 28	51	33
14	✓	✓		55	55	54	54	58	53	50	64	89	103	116	108	102	92	87	78	64	59	60	62	67	66	63	62	72	0	10 40	120	6 10	48	72
15	✓			56	52	51	51	52	53	46	52	57	63	73	82	84	72	70	62	51	49	57	62	62	62	55	59	60	0	12 20	93	6 18	44	49
16	✓			55	54	54	55	60	60	52	66	82	85	92	102	102	88	70	55	54	52	51	54	59	60	62	62	66	0	12 00	104	18 05	49	55
17				59	56	52	52	52	46	35	51	70	92	110	112	113	104	94	83	67	58	53	62	63	61	56	54	69	0	12 20	125	6 40	33	92
18			✓	52	46	44	43	44	33	32	55	73	86	103	115	118	96	78	80	66	74	82	75	75	73	65	60	70	1	12 15	125	5 54	23	102
19			✓	51	37	35	32	34	33	35	66	96	107	122	133	129	108	99	71	61	55	62	73	74	73	72	67	72	1	11 54	136	3 46	23	113
20			✓	63	58	52	51	49	47	31	46	76	95	120	126	123	111	86	53	46	50	47	57	62	63	64	63	68	0	12 57	134	6 20	27	107
21				59	57	57	59	55	51	45	64	93	108	123	112	111	103	93	86	69	56	53	61	64	63	59	60	73	0	10 30	124	6 20	42	82
22				57	54	53	51	55	56	53	66	77	91	95	94	85	81	75	64	56	56	61	66	66	63	63	59	67	0	11 02	99	6 20	46	53
23			✓	55	53	53	47	45	52	42	61	71	98	123	143	133	118	106	91	75	66	64	65	64	62	62	62	75	1	10 54	156	6 04	35	121
24			✓	62	60	54	60	63	66	63	74	86	92	110	121	120	122	108	82	73	62	60	65	67	67	66	63	78	0	13 28	126	2 30	53	73
25				63	56	60	58	58	53	42	47	73	92	105	115	105	98	84	76	63	63	63	69	70	70	66	61	71	0	11 30	117	6 30	37	80
26				57	53	54	55	56	52	44	54	82	99	114	114	118	107	89	62	38	42	44	54	62	62	62	62	68	0	13 00	123	16 40	35	88
27	✓	✓		61	56	55	53	55	62	61	75	88	94	99	93	93	97	100	83	63	50	46	56	62	63	62	61	70	0	14 20	103	18 20	43	60
28	✓	✓		57	53	53	53	54	52	43	50	56	56	64	61	53	61	53	47	43	56	62	62	69	70	64	60	56	0	21 00	71	6 20	41	30
29	✓			55	53	53	54	55	54	45	55	75	89	96	90	83	89	103	94	73	60	53	58	63	64	64	63	68	0	14 24	105	6 30	44	61
30				58	54	54	52	52	50	43	57	70	68	86	91	83	82	82	74	73	66	62	69	70	71	65	63	66	0	10 50	94	6 10	42	52
31				55	52	50	52	53	51	45	53	63	80	97	84	75	82	80	76	74	73	65	64	68	69	72	70	67	1	10 37	109	6 30	44	65
MEANS ALL DAYS				59	56	55	55	56	54	46	60	77	88	98	101	97	91	83	73	62	57	57	63	66	65	64	62	69						68
MEANS TEN DAYS ✲				58	55	54	54	56	55	49	61	77	84	92	92	89	84	81	71	60	55	55	61	65	65	63	62	67						56
MEANS FIVE DAYS † (G. M. T.)				58	54	52	53	56	56	52	63	79	86	92	90	85	82	79	69	58	53	53 54	60 60	64	63	62	60	66						
MEANS FIVE DAYS ‡ (G. M. T.)				57	51	48	47	47	46	41	60	80	96	116	128	125	111	95	75	64	61	63	68	68	66	64	60	72						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 77

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JANUARY 1937 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JANUARY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		571	567	568	568	568	572	586	620	683	757	805	821	791	728	636	581	564	579	590	587	583	581	576	574	627	0	11 28	830	16 34	559	271
2				574	575	572	570	585	590	590	610	669	735	797	820	791	727	657	577	568	569	554	565	561	550	552	548	621	0	11 22	832	22 57	545	287
3				554	561	561	557	561	564	567	577	619	691	743	773	766	724	665	629	606	592	583	576	566	554	548	543	612	0	11 41	786	23 57	541	245
4				549	551	554	556	560	561	559	574	611	672	718	736	743	709	655	624	608	602	593	583	578	574	568	563	608	0	12 15	772	0 00	541	231
5	✓			561	566	572	573	574	577	588	614	665	726	770	782	741	682	645	626	614	608	600	589	579	575	574	568	624	0	11 32	792	0 59	559	233
6	✓			565	563	573	575	575	577	583	599	633	690	734	752	750	721	679	634	608	601	601	592	583	582	583	580	622	0	11 36	758	1 20	561	197
7			✓	584	580	579	584	592	591	610	636	687	733	765	792	748	684	633	545	533	482	476	515	534	526	531	534	603	1	11 04	813	17 50	458	355
8				539	537	539	539	543	548	557	568	591	621	650	672	678	649	619	586	575	569	563	568	567	567	560	554	582	0	12 24	685	1 10	536	149
9			✓	565	568	575	565	563	567	555	599	646	690	728	736	713	655	655	642	549	574	560	565	568	561	555	552	604	1	11 45	769	16 20	529	240
10			✓	568	577	588	582	564	567	600	634	640	710	708	710	670	632	606	551	546	565	570	568	572	561	555	550	600	1	9 41	737	15 50	522	215
11				547	568	568	564	567	579	597	622	671	701	714	679	677	638	619	588	563	572	568	565	563	561	559	557	600	0	10 40	736	0 13	541	195
12				559	561	566	572	576	583	606	648	693	721	755	704	667	623	585	591	599	595	589	570	563	568	568	559	609	0	9 40	777	23 43	556	221
13				557	567	561	559	563	570	589	609	660	712	742	733	718	632	564	513	525	561	580	577	574	570	568	567	599	0	10 44	749	15 43	503	246
14				564	565	570	567	570	577	598	621	672	718	740	755	719	663	615	588	583	585	583	579	576	576	576	577	614	0	11 42	760	1 26	561	199
15	✓	✓		576	574	571	574	575	579	593	611	659	711	738	733	692	644	594	561	570	587	594	589	584	575	572	572	610	0	10 33	743	15 34	558	185
16	✓	✓		574	574	572	574	575	582	604	640	693	753	786	773	733	688	653	630	622	613	602	590	585	583	581	581	632	0	10 34	792	2 30	570	222
17				578	578	578	579	580	601	622	649	693	743	762	755	728	700	653	612	595	596	600	597	592	584	580	581	631	0	10 16	773	1 43	577	196
18	✓			583	581	580	581	584	587	591	622	676	748	772	755	710	662	646	624	608	600	597	592	588	585	581	581	626	0	10 47	776	2 28	580	196
19	✓			581	581	584	585	587	588	594	621	676	731	763	785	759	712	671	637	612	597	587	587	588	588	588	590	633	0	11 50	791	0 26	580	211
20				590	590	591	592	590	591	598	623	676	757	786	764	751	719	648	592	602	603	595	574	572	569	559	562	629	0	10 44	801	22 43	557	244
21				570	576	578	581	585	587	587	602	612	667	733	798	746	737	666	666	620	571	545	556	557	555	557	559	617	1	11 46	817	18 48	542	275
22				557	562	563	565	564	566	568	581	622	685	724	734	734	713	697	663	629	607	587	575	569	569	570	571	616	0	12 33	743	0 28	556	187
23	✓	✓		569	571	572	573	574	577	583	603	641	688	712	735	735	698	666	638	627	617	596	584	583	581	579	578	620	0	12 04	749	0 19	567	182
24	✓			574	574	574	572	574	577	592	609	640	672	680	680	649	629	636	641	637	619	596	583	582	583	581	579	610	0	10 03	689	4 02	570	119
25	✓	✓		577	575	577	579	583	588	615	657	710	754	768	763	727	683	653	643	632	622	604	595	593	592	592	590	636	0	10 02	773	1 32	574	199
26				585	583	581	582	581	592	630	663	696	730	745	744	705	653	626	629	632	619	605	599	595	592	594	598	632	0	11 05	754	3 50	580	174
27			✓	595	593	592	597	597	609	630	622	670	697	776	748	701	657	632	601	566	559	552	550	549	545	552	543	614	1	10 24	802	23 40	541	261
28				548	549	548	549	553	565	595	616	668	700	706	676	631	603	593	583	599	564	539	528	522	528	537	547	585	0	9 53	720	20 54	518	202
29				562	550	550	552	551	558	588	630	695	764	797	786	740	672	615	585	578	583	584	577	579	577	574	570	617	0	10 31	802	1 54	548	254
30			✓	568	565	567	566	566	569	587	630	711	784	932	851	741	709	672	667	629	600	592	582	572	570	567	565	640	1	10 11	1047	1 13	563	484
31				564	562	561	559	557	559	561	602	678	765	820	833	796	722	651	597	588	600	599	587	577	563	555	565	626	0	11 22	847	22 28	549	298
MEANS ALL DAYS				568	569	570	571	572	577	591	617	663	717	754	754	724	680	639	608	593	587	580	576	573	569	567	566	616						231
MEANS TEN DAYS ✲				573	573	574	575	577	580	593	620	668	723	753	758	729	685	648	622	609	604	597	589	585	582	581	579	624						202
MEANS FIVE DAYS † (G. M. T.)				573	572	572	574	575	580	596	626	677	733	762	765	736	688	640	611	603	604	587 597	582 589	578	576	575	575	624						
MEANS FIVE DAYS ‡ (G. M. T.)				576	577	580	579	576	581	596	624	671	723	782	767	715	667	640	601	565	556	550	580	578	576	573	571	617						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 78

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1937

FEBRUARY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			564	562	561	559	570	569	575	611	697	771	818	832	796	735	676	622	590	587	587	583	581	577	577	576	632	0	11	28	849	3 20	558	291
2				575	575	572	570	566	566	580	628	714	794	842	825	772	702	642	604	593	600	648	603	513	471	451	507	621	1	10	37	888	22 24	406	482
3			✓	474	447	477	510	506	505	524	570	614	669	719	818	749	630	507	463	534	522	507	499	503	504	507	510	553	2	11	20	900	15 02	385	515
4				507	511	511	506	502	502	507	532	606	687	736	757	764	757	678	630	580	546	539	533	518	507	507	505	580	1	10	51	795	6 55	494	301
5			✓	517	526	524	527	529	537	555	590	636	693	733	737	722	673	654	609	584	564	548	547	543	548	541	543	591	0	11	00	774	0 35	510	264
6				549	545	548	550	546	541	554	572	612	682	690	704	713	696	667	627	604	573	561	559	553	550	548	548	596	0	12	31	729	5 10	533	196
7	✓			546	548	550	550	552	554	556	564	597	629	648	650	643	632	634	634	617	594	575	565	563	561	559	559	587	0	10	39	661	0 17	543	118
8	✓	✓		557	557	555	557	559	563	580	605	635	650	642	619	588	559	562	572	602	606	588	569	564	564	569	563	583	0	8	55	653	13 51	535	118
9			✓	557	564	565	563	564	575	602	619	669	717	719	667	643	579	565	548	524	525	539	544	542	539	532	540	583	1	9	40	780	16 42	506	274
10				528	538	546	546	546	552	568	569	632	636	645	657	634	619	597	580	579	552	549	551	548	549	548	544	576	1	9	21	701	0 33	523	178
11				543	550	552	551	548	548	564	605	672	725	762	750	714	666	611	568	562	581	575	570	568	567	564	563	603	0	10	41	779	1 03	534	245
12				563	564	564	566	572	568	575	605	660	726	763	754	710	655	577	544	565	561	557	560	555	552	550	554	601	0	10	52	779	15 53	537	242
13				554	563	568	580	580	571	566	611	676	731	758	786	713	688	614	604	593	565	545	537	534	537	542	543	607	0	11	26	815	21 01	532	283
14	✓			540	558	553	555	557	558	563	591	646	706	758	778	768	706	629	571	535	533	545	543	552	545	537	540	599	0	11	29	794	17 20	528	266
15				548	548	551	550	553	559	552	567	612	665	698	708	711	717	654	619	599	586	566	554	550	554	557	555	597	0	12	34	740	0 09	544	196
16				554	553	557	569	568	567	576	608	651	720	776	765	771	742	698	654	612	576	568	570	566	558	557	560	621	0	11	06	806	2 21	552	254
17				560	561	560	564	569	571	557	585	628	687	736	814	747	735	711	652	610	566	559	560	555	550	550	552	614	1	11	48	875	21 54	547	328
18				550	552	554	558	559	557	557	574	630	687	747	753	754	729	717	643	600	604	579	561	566	574	578	566	615	1	14	09	807	19 52	548	259
19			✓	566	567	554	571	567	581	583	570	572	671	736	768	697	666	677	641	623	599	601	581	581	582	573	567	612	1	11	27	820	7 58	461	359
20				566	559	562	566	564	577	573	569	601	682	675	706	687	700	688	655	638	611	584	578	582	585	594	591	612	1	10	04	770	6 57	550	220
21			✓	586	583	581	574	576	581	581	602	631	675	703	701	733	754	676	646	617	603	589	586	581	569	565	563	619	1	13	43	778	24 00	561	217
22				559	559	556	566	565	564	561	567	602	583	658	736	698	698	669	652	621	597	581	569	559	560	554	554	600	1	11	31	772	9 19	549	223
23	✓	✓		556	555	557	558	559	558	559	592	639	694	729	744	737	702	667	637	622	608	585	574	566	562	562	557	612	0	10	54	762	23 57	553	209
24	✓	✓		558	567	570	563	581	581	573	585	631	694	760	814	819	781	725	685	647	616	596	582	577	571	563	556	633	0	12	28	835	23 47	554	281
25	✓			561	563	568	572	572	572	581	620	659	717	779	814	814	765	709	653	632	613	593	585	579	575	570	568	635	1	12	35	829	0 00	557	272
26	✓	✓		562	563	567	565	568	566	577	601	661	739	786	814	814	759	701	652	620	604	585	575	572	559	554	550	630	0	12	37	827	23 43	548	279
27	✓	✓		550	555	559	561	558	559	563	585	633	699	777	815	813	796	724	678	638	605	588	578	568	561	569	572	629	0	11	14	842	0 22	548	294
28	✓			574	575	576	573	575	577	564	571	619	650	741	772	778	750	682	644	611	590	567	545	542	553	554	558	614	0	12	11	786	20 04	533	253
29																																		
30																																		
31																																		
MEANS ALL DAYS				551	552	554	557	558	560	565	589	637	692	733	752	732	700	654	617	598	582	572	563	556	553	551	552	606							265
MEANS TEN DAYS ✲				557	560	562	561	565	566	569	592	642	695	744	765	757	718	671	635	611	596	581	570	566	563	561	560	615							238
MEANS FIVE DAYS † (G. M. T.)				557	559	562	561	565	565	570	594	640	695	739	761	754	719	676	645	626	608	584 588	574 576	568	563	560	558	617							
MEANS FIVE DAYS ‡ (G. M. T.)				540	537	540	549	548	556	569	590	624	685	722	738	709	660	616	581	576	563	557	569	549	540	540	546	592							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

☐ = APPROXIMATE. MAGNETIC STORM

[ ] = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

☐ = CLOCK STOPPED

Δ = NO RECORD

TABLE 79

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1937 — MARCH 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	562	564	564	581	577	565	548	553	596	677	701	764	749	755	764	672	545	478	514	523	517	496	508	523	596	1	12	04	809	17 28	449	360
2				526	524	528	527	522	525	532	543	598	645	697	697	719	725	687	644	607	575	549	537	540	540	539	534	586	0	13	29	747	4 31	519	228
3	✓	✓		536	540	544	549	551	550	544	545	586	635	688	725	740	729	692	652	621	596	579	571	567	564	562	561	601	0	12	04	744	0 01	534	210
4				558	556	560	562	566	569	571	593	653	674	721	750	754	728	686	652	624	601	588	577	564	553	555	551	615	0	12	13	762	23 59	545	217
5			✓	547	567	576	581	558	556	512	461	551	538	650	723	729	670	668	625	594	537	512	505	521	527	529	529	574	2	11	44	794	7 14	431	363
6	✓			534	538	545	551	553	554	547	562	600	650	691	720	737	733	700	644	611	585	569	563	560	555	554	553	600	0	13	03	743	0 00	530	213
7	✓	✓		553	554	556	559	560	560	555	564	599	641	678	703	737	744	726	681	636	602	583	575	571	567	567	564	610	0	13	58	748	0 06	551	197
8	✓	✓		563	565	566	567	568	567	570	585	616	658	698	722	725	711	685	657	637	612	586	570	554	549	546	553	610	0	12	09	733	22 52	544	189
9	✓			560	565	568	572	573	569	571	591	630	688	715	744	748	720	668	646	616	594	578	571	577	576	573	572	616	0	12	46	763	0 01	553	210
10	✓			571	575	578	577	578	582	591	616	645	696	754	749	752	737	694	654	628	603	588	587	584	578	576	580	628	0	12	17	770	0 10	567	203
11		✓		581	582	585	587	587	584	588	612	661	699	750	748	759	744	704	656	627	610	596	589	586	582	577	574	632	0	12	04	769	23 28	573	196
12	✓	✓		576	578	579	580	581	580	579	601	649	699	738	754	742	706	663	635	619	610	601	596	593	591	590	586	626	0	11	28	760	0 00	575	185
13				588	587	590	596	600	596	596	622	671	718	769	792	761	722	672	640	615	554	491	471	489	474	501	532	610	1	11	45	807	19 18	447	360
14				541	538	542	544	544	547	556	574	620	682	729	749	738	704	646	591	571	562	549	545	554	552	550	549	595	1	11	48	776	1 10	536	240
15			✓	553	540	537	542	550	544	515	486	519	519	609	699	736	714	657	605	563	547	543	553	550	545	542	542	571	1	12	23	753	8 20	433	320
16				545	547	548	550	549	549	542	551	597	644	698	724	742	696	659	631	587	576	566	553	551	545	542	545	593	0	12	06	762	21 50	536	226
17				547	551	553	564	558	555	554	564	598	636	681	710	734	702	662	626	582	571	571	563	561	558	560	559	597	0	12	32	743	0 00	542	201
18	✓			553	549	554	559	561	566	568	584	626	683	733	754	732	704	676	638	598	581	569	558	553	558	560	556	607	0	11	15	764	1 41	548	216
19	✓			557	560	562	570	571	570	567	580	621	678	725	774	777	745	702	647	610	591	576	562	564	560	549	548	615	0	12	02	789	23 29	545	244
20	✓			552	558	564	569	571	569	561	562	601	639	692	701	695	680	659	631	616	597	581	577	573	568	566	565	602	0	11	24	713	0 02	551	162
21				567	568	571	576	582	582	585	602	641	700	724	752	726	726	704	667	643	623	603	576	573	580	583	573	626	0	11	53	767	24 00	556	211
22				558	570	582	591	587	576	567	551	523	600	643	698	697	701	661	621	595	568	552	541	543	535	535	540	589	1	11	29	749	8 43	499	250
23				546	551	552	553	557	559	572	603	625	671	703	724	722	707	677	632	612	594	579	571	564	559	556	552	606	0	12	11	747	0 10	540	207
24				558	558	558	560	561	561	567	600	656	715	766	754	727	685	635	619	610	591	572	562	561	561	560	560	611	0	10	52	780	2 15	554	226
25				560	560	561	568	572	572	571	607	664	726	773	767	740	700	659	635	617	600	582	576	571	567	567	567	620	0	11	03	784	2 20	559	225
26				567	571	569	576	576	574	574	610	659	718	779	764	752	698	656	626	640	607	576	531	517	536	523	530	614	0	10	38	801	20 08	513	288
27			✓	540	550	560	562	567	558	556	590	614	664	595	645	684	678	629	585	554	520	520	527	540	528	523	526	576	1	9	49	720	17 34	508	212
28				532	529	534	544	555	549	543	575	640	671	710	728	724	698	662	619	577	556	541	537	538	536	539	535	590	0	11	50	737	1 55	519	218
29				540	545	554	551	552	554	561	589	639	679	717	725	715	685	652	624	609	578	550	542	540	540	536	555	597	0	11	21	731	22 56	532	199
30				552	552	557	563	566	564	565	592	651	734	777	790	751	748	663	605	608	600	586	576	567	566	575	524	618	0	11	34	821	24 00	502	319
31			✓	491	508	479	485	486	482	500	526	577	629	656	672	669	647	546	531	510	498	520	512	512	519	515	519	541	1	11	33	695	3 18	457	238
MEANS ALL DAYS				552	555	557	562	563	561	559	574	617	665	708	733	733	711	671	632	603	578	564	555	553	550	550	550	602							237
MEANS TEN DAYS ✻				556	558	562	565	567	567	565	579	617	667	711	735	738	721	686	648	619	597	581	573	570	567	564	564	612							203
MEANS FIVE DAYS (G. M. T.) †				562	564	566	568	569	568	567	581	622	666	710	730	741	727	694	656	628	606	577 589	570 580	568	564	563	561	614							
MEANS FIVE DAYS (G. M. T.) ‡				539	546	543	550	548	541	526	523	571	605	642	701	713	693	653	604	553	516	522	555	549	552	551	542	577							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 80

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1937

APRIL 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				523	529	532	532	535	534	523	533	586	655	695	737	744	703	658	621	583	548	535	533	525	521	528	532	581	0	12 30	767	21 14	517	250
2				540	551	555	547	554	554	552	533	589	671	733	786	769	717	604	526	521	527	528	523	502	485	502	546	580	1	11 52	816	21 14	481	335
3				521	527	536	536	532	532	518	523	549	636	692	702	736	664	623	582	553	543	534	534	535	534	532	537	571	1	12 58	744	6 47	513	231
4				539	544	549	549	553	551	549	560	592	644	672	674	684	660	638	605	577	569	558	551	547	543	552	549	584	0	12 32	693	0 00	538	155
5	✓			549	553	554	556	558	560	560	579	626	672	683	693	702	669	649	616	601	592	582	576	573	569	562	564	600	0	12 34	716	0 10	547	169
6	✓			569	571	575	576	574	573	580	595	652	697	743	750	755	724	686	659	633	610	593	590	585	584	580	582	626	0	12 33	775	0 03	565	210
7	✓			580	580	582	582	590	595	603	618	638	675	706	713	706	693	674	659	642	630	611	602	598	592	583	580	626	0	11 43	749	23 31	578	171
8	✓	✓		578	578	579	580	582	583	593	619	657	699	732	742	729	707	673	645	634	616	604	598	594	582	578	576	627	0	11 29	747	0 19	574	173
9		✓		577	580	582	585	586	589	591	608	642	682	712	719	697	669	649	635	623	612	596	591	589	587	584	583	620	0	11 13	727	0 07	576	151
10	✓	✓		582	582	584	587	589	589	593	610	651	692	723	729	709	665	645	631	627	603	582	569	585	576	549	564	617	0	11 20	737	21 53	540	197
11	✓			560	567	573	580	588	586	588	619	674	726	761	750	702	645	622	609	607	601	591	587	587	582	575	573	619	0	10 33	781	0 44	558	223
12				576	577	580	584	612	619	633	655	689	715	762	695	642	595	571	579	550	547	540	521	532	547	553	551	601	1	10 14	795	19 36	515	280
13	✓			552	547	551	559	556	555	556	580	631	692	727	722	700	643	597	568	569	566	562	560	558	554	552	551	592	0	10 40	742	1 54	540	202
14	✓	✓		551	559	558	558	557	556	557	579	621	671	713	729	713	678	628	591	573	567	560	563	564	564	562	564	597	0	11 17	733	0 36	549	184
15	✓			565	567	574	573	573	571	566	580	625	675	712	740	735	706	666	638	613	594	583	580	580	577	576	577	614	0	11 48	755	6 33	564	191
16		✓		574	571	573	576	577	574	573	582	625	676	721	755	734	689	659	642	618	599	588	584	580	578	578	576	617	0	11 30	762	6 09	567	195
17				580	580	582	594	600	603	603	618	645	678	708	717	707	695	681	644	611	596	589	587	562	535	559	561	618	0	11 12	737	21 22	526	211
18				562	573	576	580	582	587	588	578	619	654	693	700	673	645	628	619	608	591	571	576	573	573	576	580	604	0	11 14	711	0 43	558	153
19				587	579	580	582	588	587	596	622	658	688	712	721	703	681	665	635	605	587	577	576	576	573	582	576	618	0	11 19	739	21 34	569	170
20				574	580	580	574	571	573	575	595	633	670	688	690	665	651	649	636	623	605	591	582	570	567	545	543	605	0	10 57	707	22 42	539	168
21				557	559	571	573	579	574	577	589	627	674	688	704	698	675	645	636	618	594	578	575	573	571	567	565	607	0	12 06	725	0 00	553	172
22	✓			565	568	571	577	580	580	587	617	642	684	715	721	720	703	688	645	618	593	578	578	578	577	574	573	618	0	12 04	733	0 43	565	168
23				572	573	575	580	582	586	599	627	659	697	707	707	722	709	680	637	625	594	568	567	565	560	562	568	618	0	12 22	734	21 43	559	175
24			✓	565	564	565	569	571	571	582	661	703	727	781	780	762	714	714	606	549	447	366	328	362	406	425	441	573	2	11 07	861	19 53	311	550
25			✓	463	472	478	479	482	485	489	517	561	618	695	772	704	670	638	580	532	520	486	474	479	506	497	509	546	2	11 14	889	15 57	440	449
26			✓	507	517	531	529	531	536	544	568	613	679	704	748	737	777	667	579	512	362	301	347	284	319	381	394	528	2	12 57	906	18 03	262	644
27			✓	416	434	452	453	456	465	478	485	507	544	572	602	612	616	579	527	467	466	425	428	431	433	399	423	486	2	13 53	643	22 30	384	259
28			✓	444	430	444	418	418	434	440	420	440	463	477	471	510	563	517	527	524	496	491	489	489	485	485	488	473	2	13 00	621	7 15	358	263
29				487	494	499	504	506	508	498	519	562	604	636	668	657	625	586	545	541	523	516	508	500	501	501	514	542	1	11 16	688	0 36	483	205
30				516	525	521	519	519	512	505	500	540	596	614	637	640	639	589	545	515	495	483	483	493	490	494	514	537	1	13 12	650	22 00	476	174
31																																		
MEANS ALL DAYS				544	548	552	553	556	557	560	576	615	662	696	709	699	673	639	606	582	560	542	539	536	536	536	542	588						236
MEANS TEN DAYS *				565	567	570	573	575	575	578	600	642	688	722	729	717	683	653	626	612	597	585	580	580	576	569	570	614						189
MEANS FIVE DAYS † (G. M. T.)				572	574	575	577	578	578	581	600	639	684	720	735	716	682	651	629	615	599	591 586	586 581	584	578	575	573	616						
MEANS FIVE DAYS ‡ (G. M. T.)				479	483	494	490	492	498	507	530	565	606	646	675	665	668	623	564	517	458	414	429	424	445	453	467	525						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 81

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1937

MAY 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				510	514	511	516	519	516	513	531	561	630	662	686	689	639	611	597	562	534	557	531	538	543	538	539	564	0	12	18 704	0	01 509	195
2	✓			537	539	539	544	547	547	553	559	583	610	636	672	675	661	627	590	568	559	550	546	545	543	548	551	576	0	11	47 686	0	10 535	151
3				548	546	559	557	554	554	559	565	580	587	618	654	659	650	598	573	566	561	544	545	538	529	528	543	571	1	12	46 694	22	28 522	172
4			✓	551	557	559	561	566	568	575	579	583	586	593	617	661	651	603	544	507	506	479	439	465	426	404	400	541	1	13	21 703	22	52 398	305
5			✓	406	459	485	484	478	513	500	492	488	516	510	486	544	557	556	552	541	528	520	519	518	517	521	521	509	2	10	05 651	0	36 402	249
6	✓	✓		523	523	525	528	530	535	550	578	615	648	675	682	672	659	631	593	569	558	550	550	546	544	542	539	578	0	11	31 686	0	16 522	164
7	✓	✓		542	546	548	552	554	557	563	577	610	644	673	670	662	651	628	595	579	570	565	561	557	558	557	558	587	0	11	26 688	0	00 540	148
8	✓			557	562	560	562	563	564	565	580	616	655	680	689	692	672	639	606	595	577	566	564	567	563	559	563	596	0	12	26 694	0	15 557	137
9				570	571	576	563	569	572	582	576	563	609	641	646	671	650	629	596	568	557	551	539	533	537	553	568	583	1	12	25 677	20	23 530	147
10				551	553	561	564	570	573	592	617	660	684	683	664	637	618	595	588	575	566	550	520	511	551	528	523	585	0	9	23 695	20	14 508	187
11				550	540	545	545	544	553	553	574	603	641	656	662	660	646	626	602	583	563	557	559	554	551	546	547	582	0	11	08 674	1	42 539	135
12	✓			566	557	554	559	564	567	579	615	658	707	723	728	702	672	647	622	596	582	577	575	571	570	569	568	610	0	10	48 732	2	10 551	181
13				570	562	578	577	577	576	586	603	644	701	736	730	706	680	645	610	590	584	580	575	575	573	568	572	612	0	10	56 760	1	34 556	204
14				573	572	578	577	583	584	594	615	645	670	725	767	736	665	621	609	597	582	570	564	561	553	561	563	611	0	11	52 786	21	39 548	238
15				560	560	565	570	572	576	588	601	624	667	703	733	699	689	654	626	605	584	575	548	554	544	556	559	605	0	11	25 757	19	44 537	220
16	✓			555	562	564	561	566	572	579	594	613	655	699	677	689	680	634	615	597	579	568	569	563	563	563	565	599	0	10	27 720	0	37 552	168
17				563	563	568	570	570	573	592	617	646	678	698	711	712	678	654	622	603	587	579	576	575	574	572	572	611	0	12	24 726	1	13 561	165
18		✓		572	573	575	575	575	579	588	604	631	669	713	727	729	723	698	655	598	581	573	569	571	572	568	564	616	0	12	12 748	23	49 557	191
19				572	560	559	567	554	548	535	565	579	629	677	689	679	672	643	611	587	574	562	559	558	557	556	555	589	0	11	12 706	6	22 526	180
20	✓	✓		554	554	555	560	561	562	563	574	592	625	654	679	685	667	646	622	602	583	576	573	571	568	567	568	594	0	11	55 689	1	04 553	136
21	✓			567	566	566	568	575	577	581	586	607	645	680	767	717	682	651	600	590	592	582	575	573	570	569	568	606	1	12	02 795	2	50 566	229
22	✓			568	570	570	570	574	592	602	613	624	666	697	717	714	680	641	615	604	593	606	582	582	581	576	565	613	0	12	11 731	23	57 562	169
23	✓	✓		557	563	558	565	568	571	588	604	614	654	668	701	706	680	645	610	594	579	564	564	566	563	563	563	600	0	12	36 710	1	05 550	160
24				561	566	566	566	567	571	588	611	641	670	688	711	712	696	665	625	607	583	570	559	557	542	554	549	605	0	12	10 716	22	03 530	186
25				557	559	553	550	544	551	549	579	643	670	719	742	732	689	623	581	552	542	538	522	502	521	522	511	585	0	12	01 848	20	34 496	352
26				545	549	545	550	542	545	556	545	569	595	638	658	673	648	613	583	571	553	553	552	547	545	546	539	573	0	11	03 685	0	08 525	160
27			✓	546	555	557	556	569	566	567	595	589	629	684	691	722	682	636	559	518	494	491	493	511	516	524	509	573	1	11	56 742	19	00 484	258
28			✓	501	508	510	517	531	547	525	514	523	555	573	579	618	617	574	519	492	487	478	504	505	511	495	520	529	1	13	00 638	18	40 474	164
29			✓	512	528	527	527	543	537	533	537	555	586	623	652	645	629	586	562	527	524	529	525	528	531	541	541	555	1	11	13 664	0	07 506	158
30				539	552	544	544	541	548	550	561	584	616	662	697	673	648	606	567	554	559	548	532	531	524	526	535	573	0	11	16 706	20	04 522	184
31				536	539	544	548	553	555	566	584	607	634	659	677	668	651	629	600	575	553	553	551	545	539	558	542	582	0	11	32 682	21	23 532	150
MEANS ALL DAYS				546	549	552	553	556	560	565	579	602	636	666	683	682	661	628	595	573	560	554	546	546	544	544	545	584						188
MEANS TEN DAYS *				553	554	554	557	560	564	572	588	613	651	678	698	691	670	639	607	589	577	570	566	564	562	561	561	596						164
MEANS FIVE DAYS † (G. M. T.)				550	552	552	556	558	561	570	587	612	648	677	692	691	676	650	615	588	574	563 566	557 563	556	555	553	550	594						
MEANS FIVE DAYS ‡ (G. M. T.)				503	521	528	529	537	546	540	543	548	574	597	605	638	627	591	547	517	508	499	507	513	505	499	502	543						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 82

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JUNE 1937 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JUNE 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			550	545	544	549	557	562	581	602	620	632	653	663	662	652	617	596	579	568	561	559	557	548	549	552	586	0	12	40	667	0	17	541	126
2	✓			557	561	559	560	563	559	557	557	579	608	670	681	693	668	649	606	575	571	571	562	563	566	564	568	590	0	12	07	701	7	46	551	150
3	✓			566	567	566	573	574	578	593	604	615	633	659	662	662	642	646	606	593	583	583	580	582	583	579	581	600	0	12	04	672	2	43	564	108
4	✓			581	581	584	582	586	589	598	625	658	699	691	682	689	685	661	617	606	588	586	579	565	560	561	575	614	0	9	50	741	22	30	557	184
5			✓	563	561	560	559	565	575	581	593	571	595	623	641	641	614	571	551	542	496	472	462	492	481	472	466	552	1	11	33	662	19	33	441	221
6			✓	468	486	498	507	509	530	522	527	532	527	554	551	553	599	591	560	539	526	522	526	526	525	524	526	530	1	13	17	606	0	50	460	146
7				530	535	537	541	538	539	557	579	607	625	632	623	608	620	591	556	542	533	530	538	542	541	537	538	563	0	9	43	648	18	07	526	122
8	✓			539	543	541	547	555	557	572	593	619	645	655	695	687	664	628	584	557	542	535	534	539	539	537	538	581	0	11	39	704	18	48	530	174
9		✓		542	548	550	552	553	554	562	573	598	637	658	675	678	662	625	595	582	585	580	577	574	574	572	571	591	0	12	37	682	0	00	539	143
10				611	601	591	580	585	581	591	618	652	687	711	712	687	658	625	598	585	577	573	569	553	557	558	562	609	1	11	40	720	20	32	550	170
11	✓	✓		564	562	566	566	568	571	592	620	650	667	682	702	697	675	644	616	598	584	573	569	567	566	566	568	606	0	11	44	711	1	33	561	150
12	✓	✓		569	570	571	571	573	575	583	588	600	628	652	693	702	710	679	639	606	588	580	577	577	579	573	576	607	0	13	53	715	0	04	568	147
13			✓	579	581	583	588	576	576	524	499	547	586	667	706	674	634	609	591	579	569	559	553	553	548	552	552	583	1	11	43	751	7	50	487	264
14				553	551	557	560	564	566	573	591	617	642	686	726	720	724	687	638	599	580	575	568	565	564	562	562	605	0	11	42	747	1	13	540	207
15				563	559	569	566	570	568	566	571	591	618	653	685	701	687	652	620	597	589	579	566	548	546	551	554	595	0	12	29	706	21	13	542	164
16				571	562	567	568	567	570	588	611	637	668	694	711	690	673	653	626	600	588	576	564	557	551	555	563	605	0	11	22	737	21	59	548	189
17				557	555	562	568	567	561	568	575	605	662	711	729	740	709	634	595	574	573	570	564	557	555	557	560	600	0	12	39	750	1	30	551	199
18				564	562	560	564	572	572	586	620	645	663	682	719	704	672	632	599	582	572	566	567	566	562	564	564	602	0	11	17	727	2	12	559	168
19		✓		562	564	565	566	565	566	574	591	614	649	684	701	702	670	635	609	597	589	580	588	585	577	579	570	603	0	11	49	714	23	54	559	155
20			✓	577	556	557	565	577	582	598	614	641	679	704	696	678	635	579	554	541	525	510	511	516	519	516	536	582	1	10	27	713	18	45	505	208
21				551	547	550	552	550	553	561	577	607	638	677	704	721	693	640	580	568	564	557	554	553	544	548	553	589	0	12	18	731	21	20	542	189
22				555	558	558	557	557	573	573	595	619	651	695	721	701	681	595	576	551	546	548	543	538	542	546	551	589	1	10	51	740	21	03	536	204
23	✓			553	557	560	561	562	567	586	614	649	689	727	735	713	678	636	597	581	580	575	573	570	566	566	562	607	0	11	19	750	0	21	551	199
24				559	561	566	566	564	564	573	604	632	678	682	670	678	654	595	574	564	558	555	555	553	540	546	549	589	1	10	21	719	21	11	536	183
25				559	556	551	552	552	551	561	583	616	667	702	710	692	661	608	583	573	564	561	551	549	561	557	562	591	0	11	04	718	20	16	542	176
26		✓		566	565	564	564	566	566	580	598	618	639	668	685	683	660	624	593	581	574	568	568	566	566	581	563	596	0	11	13	689	23	49	559	130
27			✓	578	578	575	581	591	589	607	603	628	651	702	679	708	687	600	555	521	514	526	535	538	529	551	546	590	1	10	26	852	17	10	502	350
28				535	549	550	549	547	547	553	568	599	634	653	662	669	665	639	602	573	563	558	555	562	563	549	546	583	0	13	09	686	0	13	533	153
29	✓			548	551	551	555	559	561	564	575	605	632	632	643	645	649	636	616	593	575	565	562	562	557	558	552	585	0	12	58	655	0	02	546	109
30	✓			556	559	568	571	571	574	584	601	627	668	696	715	717	696	650	600	583	579	577	566	558	555	553	554	603	0	12	15	727	22	42	550	177
31																																				
MEANS ALL DAYS				558	558	559	561	563	566	574	589	613	643	672	686	683	666	628	594	575	565	559	556	554	552	553	554	591								176
MEANS TEN DAYS ✲				558	560	561	564	567	569	581	598	622	650	672	687	687	672	645	608	587	576	571	566	564	562	561	563	598								152
MEANS FIVE DAYS † (G. M. T.)				561	562	563	564	565	566	578	594	616	644	669	691	692	675	641	610	593	584	562 576	558 576	555	557	556	559	597								
MEANS FIVE DAYS ‡ (G. M. T.)				553	552	555	560	564	570	566	567	584	608	650	655	651	634	590	562	544	526	518	555	557	553	553	550	574								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 83

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1937 — JULY 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				559	570	568	568	566	567	567	575	602	594	636	655	659	660	635	590	570	561	559	559	557	555	563	563	586	0	13 00	671	21 24	553	118
2				562	568	570	570	571	570	573	583	597	619	648	644	641	639	620	600	579	564	555	546	542	540	540	549	583	0	11 16	664	22 16	535	129
3	✓	✓		559	561	575	575	573	573	584	608	626	648	679	691	672	646	622	607	595	585	577	579	577	570	568	567	601	0	10 52	695	0 00	552	143
4	✓			572	577	579	582	586	589	597	609	633	643	680	694	695	672	641	620	611	609	601	606	602	587	582	580	614	0	12 03	702	0 00	568	134
5				575	577	577	580	582	589	596	613	625	638	691	734	724	695	682	644	628	616	611	598	582	573	574	576	620	0	11 50	769	20 53	568	201
6				578	579	579	582	590	598	594	603	599	614	602	646	626	613	589	561	553	542	524	517	515	509	530	534	574	0	11 17	674	21 20	499	175
7				536	555	567	575	575	574	595	623	659	660	674	695	701	676	649	607	589	577	570	568	566	564	564	565	604	1	12 23	729	0 42	530	199
8	✓	✓		568	569	567	567	570	570	580	598	626	660	694	706	704	697	672	630	601	585	577	574	573	568	564	566	608	0	11 24	726	22 15	562	164
9				569	570	574	575	573	579	594	616	648	720	694	733	725	687	646	609	597	568	541	532	544	511	499	495	600	1	9 35	781	23 23	492	289
10				507	529	535	537	542	545	552	576	601	632	664	688	694	688	664	621	591	572	563	561	559	560	561	560	588	0	12 07	700	0 03	494	206
11				561	561	562	564	568	568	567	588	618	653	713	655	668	637	618	594	582	553	528	530	528	542	550	555	586	1	10 54	734	18 42	523	211
12	✓			559	560	559	559	564	569	582	600	617	639	666	669	644	630	613	604	595	584	575	570	572	568	568	568	593	0	11 12	677	0 53	555	122
13				569	571	572	571	572	572	584	613	640	677	712	726	710	675	640	619	604	581	568	577	580	575	567	552	609	0	11 24	729	24 00	538	191
14			✓	532	531	539	534	553	541	551	571	588	584	602	551	557	550	535	514	556	559	545	535	522	525	527	531	547	1	10 11	630	11 53	417	213
15				536	557	549	552	550	551	563	588	611	639	652	674	648	660	622	590	572	563	554	549	547	546	553	555	583	0	11 29	693	0 14	526	167
16	✓			555	553	552	552	557	561	580	608	636	668	672	685	713	673	653	624	593	586	575	566	562	559	555	557	600	0	12 12	724	3 46	551	173
17				558	568	555	568	573	577	586	611	643	664	694	710	690	665	645	630	618	597	579	572	570	571	566	570	608	0	11 35	722	2 25	549	173
18	✓			572	574	573	573	575	577	577	579	600	608	639	665	679	690	662	629	624	617	599	594	588	585	580	576	606	0	13 19	706	0 10	570	136
19			✓	574	570	572	572	578	579	581	598	692	707	751	775	761	689	653	566	570	568	557	548	550	563	535	552	611	1	11 42	808	22 42	522	286
20			✓	556	576	579	573	579	577	599	613	638	679	699	697	679	653	627	602	590	583	578	576	573	570	568	563	605	0	10 25	731	0 24	552	179
21				566	566	570	562	568	565	581	611	648	672	699	713	704	701	663	621	605	579	557	544	531	516	511	516	599	0	11 06	718	22 08	508	210
22			✓	505	495	502	520	517	526	522	535	544	586	608	609	563	546	557	539	517	515	524	528	518	507	512	523	534	1	10 54	630	2 07	486	144
23				538	548	531	531	544	542	541	552	574	624	682	676	672	684	576	570	565	563	557	501	453	448	508	518	562	1	13 03	719	21 06	425	294
24			✓	507	521	520	535	538	543	533	529	529	566	620	661	697	694	619	580	559	551	525	514	524	534	527	561	562	1	12 55	723	19 10	497	226
25				543	539	546	542	537	549	559	567	610	651	637	676	672	652	651	617	581	556	549	542	544	544	553	566	583	0	11 28	696	20 06	533	163
26				552	547	552	560	553	560	572	593	624	640	675	694	680	670	656	630	596	571	561	557	555	554	554	553	594	0	11 26	700	1 25	546	154
27	✓	✓		556	558	559	559	563	559	555	560	574	607	632	663	659	643	609	595	586	576	566	562	561	561	560	561	583	0	11 31	678	6 23	554	124
28	✓	✓		562	568	564	566	568	570	588	616	651	679	706	702	694	674	646	628	595	577	568	566	564	562	562	564	606	0	10 39	717	0 34	559	158
29	✓	✓		564	566	566	569	571	574	579	591	612	634	665	690	704	678	654	617	585	579	573	566	566	562	564	566	600	0	12 43	710	21 30	560	150
30				570	574	575	575	578	581	593	622	671	697	713	698	694	687	664	634	604	588	580	579	577	576	577	576	616	0	11 03	744	0 10	568	176
31	✓			575	577	577	580	583	580	585	599	620	660	679	721	727	696	655	632	607	593	579	578	574	576	573	569	613	0	11 52	761	23 45	567	194
MEANS ALL DAYS				555	559	560	562	565	567	575	592	618	644	670	684	679	662	634	604	588	575	564	558	554	551	552	555	593						181
MEANS TEN DAYS ✱				564	566	567	568	571	572	581	597	620	645	671	689	689	670	644	619	599	589	579	576	574	570	568	567	602						150
MEANS FIVE DAYS † (G. M. T.)				562	564	566	567	569	569	577	595	618	646	675	690	687	668	641	615	592	580	564 572	560 569	558	556	556	558	598						
MEANS FIVE DAYS ‡ (G. M. T.)				535	539	542	547	553	553	557	569	598	624	656	659	651	626	598	560	558	555	546	553	540	537	540	543	573						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 84

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				576	577	584	586	587	591	594	596	602	627	628	656	691	653	646	627	620	609	585	560	560	568	550	503	599	0	12	14 700	24	00 475	225
2			✓	479	503	459	440	451	455	488	516	530	560	552	533	546	535	557	573	546	525	511	510	508	513	516	518	514	1	9	32 661	3	23 432	229
3			✓	520	531	540	543	528	529	536	551	584	630	646	671	663	654	649	618	572	534	479	441	472	483	474	465	555	0	11	42 676	20	12 436	240
4			✓	477	501	526	518	528	536	549	566	593	618	614	620	621	624	609	606	584	561	550	546	545	542	542	542	563	1	15	28 634	0	02 471	163
5				543	545	548	548	550	548	568	600	643	688	721	722	709	651	619	593	574	557	545	542	543	544	550	550	592	0	10	54 736	19	59 540	196
6				551	551	551	552	552	553	567	589	618	646	680	697	668	631	602	580	577	573	572	572	559	555	558	555	588	0	11	34 706	2	25 548	158
7				567	562	559	555	558	563	578	599	651	741	752	752	716	657	618	589	574	570	561	553	548	546	547	552	603	0	10	58 764	21	57 546	218
8	✓			548	550	550	550	555	556	571	604	641	687	716	723	711	674	632	595	574	570	566	562	560	559	559	559	599	0	11	05 726	0	07 548	178
9	✓			561	559	557	559	562	564	580	622	670	725	735	755	708	667	643	618	599	583	570	566	562	560	561	562	610	0	11	28 771	2	24 555	216
10				557	558	559	559	559	565	586	627	678	735	762	755	725	673	607	586	579	579	570	565	561	561	561	562	610	0	10	44 766	0	37 555	211
11				561	559	562	567	570	572	598	631	661	691	714	733	730	703	666	636	616	604	595	586	581	583	579	575	620	0	11	45 737	1	15 558	179
12	✓			575	579	576	577	584	589	601	627	675	726	757	780	758	717	649	623	612	607	595	585	582	575	567	568	628	0	11	18 787	22	36 563	224
13	✓	✓		569	573	573	576	578	581	593	625	676	726	775	797	784	744	677	634	612	601	593	583	581	580	579	575	633	0	11	32 801	0	20 566	235
14				569	572	581	581	580	577	582	594	625	675	737	778	783	765	705	660	633	616	588	583	564	550	552	542	625	0	12	05 788	23	37 540	248
15				553	555	548	552	557	559	568	580	627	675	706	702	690	653	620	588	585	584	570	563	561	560	559	559	595	0	10	40 712	0	04 539	173
16	✓	✓		560	561	562	564	566	566	564	579	606	649	690	699	693	668	630	604	593	588	576	571	563	556	555	560	597	0	10	53 702	22	12 554	148
17	✓			560	562	567	571	573	571	576	600	641	677	705	709	700	671	639	619	603	588	570	564	562	566	572	573	606	0	10	34 718	0	26 557	161
18				572	573	570	575	579	579	584	595	637	681	710	726	720	680	643	616	611	604	590	584	579	573	573	576	614	0	11	23 735	2	30 569	166
19				578	576	577	580	584	586	598	618	648	680	726	733	722	705	657	614	592	583	577	577	578	575	576	576	617	0	11	17 757	21	44 574	183
20				575	573	577	579	579	579	588	619	662	702	720	726	720	681	635	603	595	582	566	559	553	557	560	557	610	0	11	29 732	20	14 550	182
21				555	562	568	573	572	568	574	612	665	721	755	749	716	683	650	623	614	600	593	589	584	585	605	550	619	0	10	41 764	24	00 523	241
22			✓	525	512	486	435	459	440	403	441	472	554	602	606	595	564	512	487	484	491	485	479	490	494	489	488	500	2	10	58 622	6	53 382	240
23				488	488	496	499	503	509	514	530	558	594	623	645	650	625	593	572	560	552	533	526	522	522	521	522	548	0	12	15 657	1	14 484	173
24	✓	✓		523	524	523	524	527	530	534	554	583	611	642	657	659	628	600	582	570	561	551	545	544	541	541	539	566	0	12	06 672	0	37 521	151
25	✓	✓		546	545	546	548	550	552	566	605	653	711	739	748	736	692	644	613	606	593	579	573	563	563	555	557	608	0	11	05 751	1	46 543	208
26				559	565	568	564	566	573	564	566	598	649	703	764	784	753	689	632	593	576	564	559	554	557	547	555	608	0	12	17 800	23	22 543	257
27			✓	566	556	551	555	558	554	541	538	564	630	675	663	628	664	614	577	557	539	544	530	521	527	531	535	572	1	10	47 718	20	34 518	200
28				538	539	543	548	547	550	535	530	543	625	699	733	743	722	703	634	590	565	552	545	549	538	524	543	589	0	11	34 759	7	03 512	247
29				544	546	549	550	551	554	559	566	602	646	674	710	716	703	670	636	602	573	560	557	555	554	551	549	595	0	11	37 721	0	33 540	181
30	✓	✓		548	548	550	554	555	555	553	546	545	562	588	629	656	661	650	636	615	592	597	570	566	566	561	557	582	0	13	12 662	7	54 542	120
31	✓			559	561	563	564	569	576	589	611	636	666	688	694	694	688	675	650	622	596	584	582	575	573	570	572	611	0	12	12 701	0	00 556	145
MEANS ALL DAYS				548	551	551	550	553	554	561	582	616	662	691	705	698	671	636	607	589	576	564	556	553	552	551	548	593						197
MEANS TEN DAYS ✱				555	556	557	559	562	564	573	597	633	674	704	719	710	681	644	617	601	588	578	570	566	564	562	562	604						179
MEANS FIVE DAYS (G. M. T.) †				549	550	551	553	555	557	562	582	613	652	687	706	706	679	640	614	599	587	562 579	555 568	553	550	548	547	595						
MEANS FIVE DAYS (G. M. T.) ‡				513	521	512	498	505	503	503	522	549	598	618	619	611	608	588	572	549	530	514	532	536	541	538	518	546						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 85

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1937

SEPTEMBER 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	574	576	575	571	572	574	583	603	628	664	693	671	666	678	641	623	609	578	555	540	543	547	545	545	598	1	9 59	756	19 50	534	222
2	✓			553	558	558	558	559	562	573	605	647	692	709	706	696	678	651	631	615	592	574	570	564	558	554	553	605	0	10 33	714	0 00	549	165
3	✓	✓		553	552	556	558	566	573	593	629	681	734	772	762	735	686	643	623	614	604	586	574	578	578	572	563	620	0	10 37	781	1 26	551	230
4				550	548	555	556	555	557	581	624	666	702	710	716	682	675	639	608	601	584	571	563	532	524	546	555	600	0	11 10	725	21 15	519	206
5	✓			558	549	552	560	560	563	576	595	640	698	738	748	732	695	650	617	600	585	573	565	565	565	564	562	609	0	11 14	754	1 40	547	207
6	✓			562	564	564	565	567	569	578	610	661	722	737	785	749	701	652	618	589	578	569	565	562	561	558	560	614	0	11 17	798	22 16	557	241
7	✓			560	558	562	559	563	564	571	608	679	758	766	768	771	753	704	643	604	587	576	569	568	567	565	560	624	0	9 50	789	1 30	556	233
8	✓			563	565	565	569	568	567	558	573	626	696	741	765	782	750	691	636	598	578	574	572	569	565	560	563	616	0	12 15	790	23 20	556	234
9	✓			569	569	571	574	579	580	594	623	651	688	710	691	691	666	651	644	619	598	582	582	571	569	572	568	613	0	10 08	724	23 30	564	160
10			✓	573	572	572	572	574	578	576	589	616	672	731	752	739	777	731	647	630	572	546	516	431	430	468	491	598	1	12 58	806	21 04	409	397
11			✓	490	483	495	510	513	511	511	512	519	544	601	620	615	631	621	598	571	559	544	539	537	535	535	534	547	1	13 33	644	1 10	478	166
12		✓		533	535	540	545	546	550	553	565	604	653	698	727	729	698	664	625	587	564	552	551	554	562	549	543	593	0	12 28	736	0 36	531	205
13				545	543	562	558	552	550	560	576	619	669	686	715	730	697	654	617	583	558	549	544	537	536	543	545	593	0	12 44	735	21 27	532	203
14			✓	548	538	550	565	560	562	560	575	607	656	673	707	708	682	656	625	595	567	551	540	543	534	532	530	590	1	11 51	730	23 03	528	202
15				529	542	544	549	550	554	567	577	605	637	677	698	704	683	646	614	594	579	569	563	562	560	560	562	593	0	12 10	712	0 17	527	185
16				563	549	564	561	558	563	576	612	651	676	701	683	636	610	575	587	596	577	563	556	551	536	524	555	589	0	10 31	723	22 33	521	202
17				544	530	542	549	553	561	575	601	634	677	694	697	686	672	610	619	608	591	574	567	565	555	552	551	596	0	10 30	730	1 22	527	203
18				554	557	558	565	569	574	588	624	673	709	754	732	662	612	600	600	563	540	525	530	540	537	538	547	594	0	10 17	779	19 03	521	258
19	✓			549	551	553	554	554	554	571	612	667	713	739	740	721	683	629	609	594	580	568	564	562	558	556	558	606	0	11 04	748	0 00	546	202
20				560	562	563	562	560	562	583	628	691	740	762	761	734	690	642	605	595	589	580	575	552	538	537	547	613	0	10 47	769	22 21	533	236
21				555	556	560	561	564	564	570	607	661	711	745	752	731	698	644	619	587	582	574	574	573	565	564	565	612	0	11 14	763	0 05	552	211
22				566	568	574	579	578	573	578	606	649	698	726	727	693	635	616	603	583	580	574	570	560	542	547	551	603	0	11 09	759	21 32	540	219
23				552	556	558	557	561	561	564	594	650	679	746	713	687	651	612	575	554	544	534	514	500	502	534	522	584	0	10 43	765	20 44	497	268
24				510	512	549	547	542	537	553	589	642	681	716	724	694	650	616	598	585	574	558	549	552	551	554	551	589	0	11 43	738	0 54	507	231
25		✓		556	556	557	560	560	560	567	601	655	707	742	752	746	709	664	625	602	587	576	570	558	554	559	558	612	0	12 14	761	21 23	552	209
26				559	554	554	558	562	560	571	608	673	726	767	725	705	675	659	635	608	581	567	562	563	561	558	556	610	0	10 02	783	1 59	547	236
27				554	565	562	560	560	563	569	601	657	706	719	694	665	682	631	615	608	589	574	569	565	560	557	562	604	0	10 36	735	0 32	550	185
28	✓	✓		556	551	560	560	557	554	559	588	645	703	714	717	706	684	647	618	599	580	567	558	558	563	559	557	602	0	11 44	728	1 53	550	178
29	✓	✓		560	562	562	561	562	564	576	610	656	703	733	744	720	687	662	653	626	604	587	580	579	576	574	571	617	0	11 37	759	0 00	556	203
30			✓	574	576	577	576	578	582	598	645	727	811	845	941	781	660	508	454	449	452	444	421	455	463	476	484	587	2	11 24	1043	15 36	401	642
31																																		
MEANS ALL DAYS				552	552	557	559	560	562	571	600	646	694	725	731	710	682	640	613	592	574	561	554	548	545	547	549	601						231
MEANS TEN DAYS ✲				558	558	560	562	564	565	575	605	655	711	736	743	730	698	658	629	606	589	576	570	568	566	563	562	613						205
MEANS FIVE DAYS † (G. M. T.)				552	551	555	557	558	560	570	599	648	700	732	740	727	693	656	629	606	588	563 574	557 567	555	553	552	551	607						
MEANS FIVE DAYS ‡ (G. M. T.)				552	549	554	559	559	561	566	585	619	669	709	738	702	686	631	589	571	546	528	561	539	537	545	549	592						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 86

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				466	475	473	498	507	508	501	538	591	637	667	699	660	580	571	553	550	543	514	507	510	507	508	511	545	1	11	14 730	0	45 463	267
2				508	516	523	523	522	526	549	594	656	714	750	755	725	686	648	624	594	571	556	552	546	542	533	534	594	0	11	20 766	0	44 506	260
3				532	527	528	530	533	529	559	630	645	666	645	670	697	667	631	566	565	540	539	470	404	383	420	371	552	1	12	07 750	24	00 367	383
4			✓	393	395	408	424	438	450	464	505	577	639	681	688	680	638	584	542	536	502	483	479	477	475	477	480	517	2	12	00 765	0	09 363	402
5				486	490	490	488	488	490	498	546	629	695	750	772	765	674	611	575	556	537	536	534	527	511	512	510	570	0	12	11 848	0	00 481	367
6	✓			514	520	521	523	531	531	528	583	658	731	811	842	770	691	613	578	561	563	563	547	542	546	540	539	598	1	11	59 893	0	00 511	382
7				562	559	550	559	554	544	559	601	607	696	745	761	731	745	635	562	549	517	526	511	473	445	423	480	579	1	11	00 799	22	47 401	398
8			✓	456	449	485	485	479	476	490	515	559	616	655	728	643	645	622	593	564	541	527	520	514	510	510	515	546	1	11	22 793	1	43 437	356
9			✓	518	519	535	549	538	547	558	572	601	677	514	571	676	694	656	571	528	492	450	473	467	475	514	507	550	2	13	56 822	10	21 366	456
10			✓	502	495	511	494	504	522	513	536	564	609	700	713	707	679	624	576	543	523	515	520	523	525	520	512	560	1	11	28 771	1	37 475	296
11			✓	523	525	525	534	546	544	542	578	657	798	596	628	648	652	581	570	538	536	540	521	526	524	521	519	570	2	9	27 976	0	53 488	488
12				526	528	525	532	540	539	513	532	604	674	727	731	708	667	677	578	498	503	493	502	503	504	509	513	568	1	14	33 782	18	43 480	302
13				522	521	522	525	530	524	533	548	598	656	673	649	681	669	648	619	586	562	547	543	543	540	539	521	575	0	10	44 693	5	47 509	184
14				513	522	522	528	534	537	527	560	602	629	675	695	706	669	632	626	605	587	574	562	562	560	554	545	584	0	12	27 733	0	34 510	223
15				550	540	531	549	573	562	534	556	571	621	638	643	625	606	580	562	548	547	536	533	534	534	534	531	564	0	11	28 666	6	56 515	151
16	✓			529	529	532	545	547	546	553	593	635	674	690	664	603	581	583	600	589	564	545	548	550	544	538	540	576	0	10	05 700	2	10 527	173
17	✓	✓		537	539	540	546	547	547	546	577	624	674	711	720	686	672	646	619	587	562	553	549	554	552	551	545	591	0	11	24 738	0	00 534	204
18	✓	✓		551	546	547	545	542	544	542	557	621	675	714	722	697	663	633	621	612	597	582	573	570	569	565	560	598	0	10	57 733	6	59 532	201
19	✓			560	558	560	559	555	555	572	600	637	692	726	727	692	673	621	609	601	584	571	564	560	556	556	558	602	0	11	20 754	5	49 550	204
20	✓	✓		556	556	556	556	557	558	564	601	640	693	718	720	706	686	654	625	602	586	579	575	574	576	574	571	608	0	11	03 724	0	40 554	170
21	✓			566	560	564	564	567	562	566	593	608	631	663	669	664	673	652	623	576	563	550	553	554	552	545	545	590	0	11	00 717	23	34 542	175
22				545	545	549	557	559	558	585	615	670	667	720	736	746	721	647	631	549	544	549	543	536	536	535	535	599	0	12	54 793	20	10 529	264
23				545	541	541	544	554	548	532	554	614	626	687	731	678	664	609	574	537	482	455	428	452	485	497	496	557	1	11	44 765	19	34 410	355
24				502	512	527	523	524	526	517	509	545	577	667	643	652	655	637	586	558	548	535	521	527	528	528	525	557	1	12	37 722	7	50 475	247
25				529	530	528	535	541	543	547	582	646	684	701	685	712	669	650	618	591	559	555	549	538	538	507	515	586	0	12	22 736	22	38 496	240
26				521	535	537	529	540	531	516	554	599	646	657	634	653	633	596	597	562	545	535	531	537	533	532	540	566	1	10	11 716	6	15 502	214
27				533	530	531	536	549	537	548	575	598	658	657	609	625	638	625	583	561	530	524	528	532	540	536	529	567	0	9	33 708	18	03 517	191
28				529	539	538	538	540	539	546	598	633	692	682	695	665	654	630	616	558	556	538	537	533	534	537	534	582	0	9	46 715	0	07 526	189
29	✓	✓		529	529	533	540	547	549	556	590	632	654	637	597	615	589	597	602	599	578	555	552	547	545	542	540	573	0	10	10 674	0	43 526	148
30	✓	✓		537	537	540	539	544	552	579	628	677	703	701	688	665	648	640	639	611	582	559	555	556	550	547	545	597	0	9	54 707	1	22 536	171
31	✓			542	542	542	543	545	547	562	613	653	682	705	695	661	630	612	593	588	580	569	562	556	553	551	548	591	0	11	03 709	2	54 541	168
MEANS ALL DAYS				522	523	526	530	535	535	539	572	618	667	686	693	682	658	624	595	568	549	537	530	527	525	524	523	574						265
MEANS TEN DAYS ✻				542	542	544	546	548	549	557	594	638	681	708	704	676	651	625	611	593	576	563	558	556	554	551	549	592						200
MEANS FIVE DAYS (G. M. T.) †				542	541	543	545	547	550	557	591	639	680	696	689	674	652	634	621	602	581	552 566	550 561	549	546	545	543	591						
MEANS FIVE DAYS (G. M. T.) ‡				478	477	493	497	501	508	513	541	592	668	629	666	671	662	613	570	542	519	503	499	476	468	477	477	543						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
{ } = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 87

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

NOVEMBER 1937 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) NOVEMBER 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			549	549	551	554	555	556	573	619	666	715	710	672	619	595	587	594	591	574	558	555	551	533	522	523	586	0	9 53	734	23 06	521	213
2				527	527	529	529	544	554	578	635	709	743	748	723	689	679	603	584	583	565	544	548	548	550	549	547	597	0	9 30	755	1 42	525	230
3				542	540	543	551	552	555	572	615	663	713	731	723	700	672	642	615	603	585	576	568	566	567	564	558	605	0	10 52	739	1 30	538	201
4		✓		555	557	558	558	558	562	583	625	677	711	739	719	706	681	650	618	605	592	582	576	570	568	566	566	612	0	10 40	746	1 09	551	195
5	✓	✓		558	556	559	565	567	569	596	640	700	745	756	745	712	677	644	621	607	589	580	576	571	569	570	565	618	0	11 31	766	0 52	554	212
6		✓		563	560	563	564	564	567	584	612	659	717	741	730	702	661	621	584	576	574	569	564	558	556	548	554	604	0	10 51	750	22 48	546	204
7				552	551	550	555	562	569	580	621	669	728	733	676	735	707	638	594	596	564	551	502	508	527	540	535	598	1	12 19	778	19 38	489	289
8				541	546	549	547	554	551	562	597	640	676	688	674	662	595	565	568	564	539	539	547	540	540	541	536	578	1	10 33	750	17 26	531	219
9				542	540	540	547	544	545	569	612	662	694	676	675	675	642	617	587	569	557	563	555	558	558	558	557	589	0	9 23	728	1 57	531	197
10	✓			554	554	555	551	552	549	559	598	641	683	679	696	692	666	645	624	596	578	573	569	567	567	565	560	599	0	12 02	706	5 25	545	161
11				560	562	558	552	557	554	576	593	635	661	683	689	681	653	626	589	567	534	539	539	546	540	543	549	587	0	11 18	717	17 20	529	188
12	✓			550	551	555	554	558	552	559	579	606	639	655	662	647	625	621	589	589	583	569	566	563	562	564	562	586	0	12 00	696	5 40	544	152
13	✓			562	564	560	556	562	567	577	604	639	667	691	703	700	657	644	633	613	587	576	574	569	565	564	559	604	0	12 07	734	3 43	555	179
14	✓			562	562	562	564	563	566	572	599	615	627	625	615	621	625	628	628	614	591	578	573	571	570	569	568	590	0	10 03	647	0 00	560	87
15	✓	✓		567	564	562	562	564	574	599	630	658	675	683	667	654	642	623	619	611	595	580	576	575	575	574	573	604	0	10 23	687	2 50	561	126
16	✓	✓		573	571	570	571	570	573	591	630	666	683	674	654	633	616	608	613	617	607	593	582	579	579	577	581	605	0	9 50	685	4 31	569	116
17				581	575	571	576	580	584	613	665	711	745	735	675	645	615	611	615	611	580	556	534	521	515	521	535	603	0	9 46	756	22 58	512	244
18			✓	547	539	535	542	548	539	536	535	608	643	684	656	676	613	549	586	563	542	540	541	532	533	541	544	570	1	12 24	754	7 54	508	246
19			✓	546	544	541	532	547	543	522	540	642	634	664	631	644	634	610	589	558	543	528	534	534	531	531	526	569	1	10 03	737	7 30	493	244
20				530	539	538	534	540	536	514	571	653	708	717	674	627	640	625	609	589	558	549	543	541	543	546	543	582	1	9 36	766	6 35	508	258
21				541	541	542	543	545	548	558	610	662	709	754	771	758	709	621	584	572	555	556	552	557	547	543	551	601	0	11 37	781	22 16	529	252
22				547	547	555	555	556	549	535	537	621	664	705	766	711	658	594	558	543	531	534	539	549	540	535	538	582	1	11 24	783	7 31	511	272
23			✓	545	541	541	541	542	535	534	565	597	665	692	723	740	672	612	593	576	558	556	556	549	549	560	555	587	1	13 01	763	6 53	523	240
24				555	549	548	552	549	536	541	589	624	638	713	760	778	703	651	593	541	537	547	556	550	549	549	548	594	0	12 13	806	5 54	523	283
25	✓			549	549	551	547	545	546	555	580	639	693	729	747	750	718	664	609	564	553	556	558	558	558	557	552	601	0	12 15	771	5 41	541	230
26	✓			548	545	547	549	547	547	545	564	610	657	691	724	707	681	641	614	587	573	573	577	575	571	571	571	596	0	11 51	743	6 10	543	200
27				570	566	562	562	559	565	567	587	630	649	660	684	677	650	648	613	574	545	538	537	535	528	515	523	585	0	12 40	704	22 25	511	193
28				531	530	527	543	539	538	533	578	625	638	654	616	629	639	604	593	572	552	541	547	568	557	562	547	573	0	13 17	690	2 13	523	167
29			✓	545	545	545	541	549	554	584	626	623	592	632	667	610	597	579	483	551	542	536	530	521	519	519	528	563	2	11 11	712	15 10	437	275
30			✓	529	515	509	516	525	519	514	521	567	595	619	627	579	557	523	522	493	470	463	457	456	464	468	475	520	0	10 31	655	19 56	446	209
31																																		
MEANS ALL DAYS				551	549	549	550	553	553	563	596	644	677	695	691	679	649	616	595	580	562	555	551	550	548	548	548	590						209
MEANS TEN DAYS ✲				557	556	557	557	558	560	573	604	644	678	689	688	674	650	630	614	599	583	574	571	568	565	563	561	599						168
MEANS FIVE DAYS † (G. M. T.)				563	562	562	564	565	569	591	627	672	706	719	703	681	655	629	611	603	591	579 581	574 575	571	570	569	566	608						
MEANS FIVE DAYS ‡ (G. M. T.)				542	537	534	534	542	538	538	557	607	626	658	661	650	615	575	555	548	531	525	538	538	533	536	538	565						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 88

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

DECEMBER 1937

DECEMBER 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				475	481	492	503	506	515	518	542	599	623	670	655	647	607	600	577	557	543	536	525	514	519	514	503	551	1	10 48	688	0 20	474	214
2		✓		528	519	529	535	536	547	570	599	637	660	685	673	650	618	591	592	585	561	547	550	543	534	527	531	577	0	10 58	701	0 00	504	197
3	✓	✓		536	538	540	547	552	558	570	598	659	677	699	695	664	629	597	568	567	565	560	549	549	544	540	538	585	0	11 05	709	0 10	534	175
4	✓			541	540	541	542	548	563	580	599	642	678	698	695	673	627	604	598	590	585	574	573	573	573	578	578	596	0	10 57	708	0 00	539	169
5	✓			577	574	569	567	571	576	586	599	625	673	696	684	668	654	599	589	576	573	571	576	576	567	562	561	599	0	11 03	721	21 55	553	168
6				562	571	570	571	571	574	581	595	621	630	680	693	678	666	632	593	549	549	558	567	559	556	556	550	593	0	11 18	710	16 36	540	170
7				557	563	558	558	557	567	568	586	631	699	671	708	654	565	517	532	538	558	556	547	547	543	538	545	578	1	10 00	738	14 34	487	251
8				540	549	554	555	557	560	567	589	635	690	639	620	632	628	602	575	557	560	560	563	560	548	550	545	581	0	9 53	709	0 30	538	171
9				554	557	558	558	560	563	562	567	619	671	708	721	693	661	606	571	562	560	555	555	559	559	552	554	591	0	11 53	739	22 40	547	192
10				556	556	556	552	556	558	560	584	631	660	683	702	680	643	612	578	570	554	560	564	560	567	569	564	591	0	10 59	737	17 35	550	187
11				543	560	563	562	563	565	571	562	582	617	658	686	686	664	638	597	573	565	554	554	553	553	554	560	587	0	11 48	698	0 43	539	159
12	✓			560	560	558	556	558	568	573	584	604	648	669	689	680	654	613	596	594	584	575	572	571	571	571	568	595	0	11 40	698	4 01	556	142
13		✓		567	567	567	561	563	573	587	603	641	677	693	691	648	627	605	600	591	586	583	582	580	578	575	570	601	0	11 24	705	3 55	558	147
14	✓	✓		569	572	569	569	569	576	586	602	646	682	714	714	702	672	635	611	600	594	589	584	587	587	585	583	612	0	12 28	728	3 00	566	162
15	✓			582	583	580	581	580	569	572	567	572	605	637	652	647	631	630	626	618	610	605	601	596	586	574	577	599	0	12 19	669	8 00	544	125
16	✓			578	580	581	581	582	585	591	608	643	683	717	723	708	679	635	601	597	601	598	593	591	590	589	588	618	0	11 31	729	0 00	576	153
17				585	586	587	589	590	596	620	647	679	718	737	696	665	605	567	567	572	598	597	592	594	582	571	567	613	0	10 09	748	14 46	561	187
18			✓	569	578	581	577	578	580	610	612	651	680	685	649	597	473	514	573	527	532	512	521	530	536	533	532	572	1	10 24	713	13 42	392	321
19			✓	529	528	540	541	549	537	550	595	640	653	708	697	617	543	522	484	495	526	543	548	543	537	534	527	562	1	10 44	741	15 43	458	283
20			✓	539	539	539	537	540	551	563	611	675	725	751	741	705	607	557	536	536	547	556	554	553	556	554	556	589	0	10 58	771	16 00	526	245
21				554	552	552	552	554	559	573	604	661	723	762	766	706	585	534	526	537	556	565	560	560	565	571	569	594	0	11 30	789	15 24	513	276
22				565	564	558	561	553	552	561	607	659	733	770	761	692	618	567	546	557	558	558	558	558	552	550	545	596	0	10 27	779	15 41	543	236
23			✓	544	548	549	557	555	556	575	582	591	631	699	736	686	539	494	469	495	512	515	515	512	514	516	517	559	1	10 55	818	14 59	451	367
24			✓	517	517	514	516	520	521	515	523	564	623	708	732	702	639	552	523	510	490	507	515	514	518	521	524	554	0	10 52	750	17 17	484	266
25				519	517	521	521	521	527	529	542	563	634	677	691	677	636	591	569	559	556	536	529	530	535	534	528	564	0	11 34	698	6 26	512	186
26				515	517	524	525	527	532	545	552	583	631	675	692	711	678	638	600	565	552	549	545	545	547	545	547	577	0	12 58	717	0 40	512	205
27	✓	✓		547	546	545	545	546	549	554	568	608	657	693	694	673	636	603	581	573	569	569	567	565	562	560	561	586	0	11 13	705	3 07	543	162
28	✓	✓		558	558	558	558	561	565	580	604	651	682	712	704	674	646	615	602	599	596	572	549	547	550	550	550	598	0	10 33	719	20 00	543	176
29	✓			554	554	558	558	560	565	574	591	627	662	693	690	692	667	652	625	596	578	574	571	569	567	567	569	601	0	10 44	709	0 00	551	158
30				570	571	574	576	570	567	583	603	633	656	672	650	666	686	683	664	644	609	586	567	567	566	569	569	608	0	13 34	699	5 15	562	137
31				569	572	576	580	584	587	592	623	656	674	692	626	618	601	565	562	581	572	567	573	574	570	563	554	593	1	10 36	749	14 48	543	206
MEANS ALL DAYS				550	552	554	555	556	560	570	589	627	666	695	694	671	625	593	575	567	564	561	559	557	556	554	553	588						200
MEANS TEN DAYS ✱				560	560	560	560	563	567	577	592	628	665	693	694	678	650	618	600	591	586	579	574	572	570	568	567	599						159
MEANS FIVE DAYS (G. M. T.) †				556	557	556	555	557	565	577	595	638	675	702	700	674	642	612	598	591	586	567 577	563 571	562	560	558	557	596						
MEANS FIVE DAYS (G. M. T.) ‡				540	542	545	546	548	549	563	585	624	662	710	711	661	560	528	517	513	521	527	547	547	544	541	538	570						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 89

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JANUARY 1937 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JANUARY 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		160	160	161	162	163	162	159	167	164	167	168	155	142	135	137	146	163	165	158	160	162	160	159	159	158	0	10 02	169	13 30	133	36
2				159	158	158	161	164	164	164	172	173	169	155	133	126	134	146	161	169	158	150	158	159	158	158	158	157	0	8 42	176	12 03	123	53
3				159	159	159	161	163	163	164	172	171	169	167	152	141	138	139	141	146	153	151	159	160	159	159	158	157	0	7 45	175	14 00	138	37
4				159	159	160	162	164	166	166	167	171	167	156	144	123	116	124	134	146	154	154	162	163	162	161	160	154	0	8 25	172	13 29	115	57
5	✓			158	160	163	164	166	166	165	163	157	154	149	132	129	130	121	128	141	154	156	162	162	162	162	159	153	0	5 00	166	14 39	119	47
6	✓			158	158	158	161	163	164	166	171	174	170	154	154	146	139	138	129	137	150	157	160	160	161	159	157	156	0	8 50	175	15 30	128	47
7			✓	158	159	160	161	163	161	159	163	161	161	163	146	134	137	132	125	131	140	148	159	156	154	155	157	152	1	10 23	165	15 00	122	43
8				157	158	159	162	164	166	167	173	180	189	185	173	163	152	155	157	157	158	157	163	165	164	162	162	164	0	9 50	192	13 40	151	41
9			✓	161	160	162	163	164	163	167	172	179	193	189	175	163	159	158	150	154	155	152	158	159	158	156	155	164	1	9 49	196	15 44	146	50
10			✓	158	157	161	162	161	163	161	162	160	154	158	150	137	128	134	152	166	166	163	166	168	165	163	163	157	1	3 50	169	13 34	124	45
11				161	163	163	163	164	162	166	180	187	193	191	181	165	146	134	136	144	148	152	160	161	161	159	159	162	0	9 57	195	14 50	131	64
12				159	161	163	164	164	163	160	161	155	148	143	133	125	125	140	151	154	159	161	163	161	161	160	160	154	0	5 03	164	13 15	122	42
13				161	161	161	165	167	166	165	172	176	170	166	155	119	120	130	155	166	165	158	160	161	160	160	160	158	0	8 04	177	12 41	114	63
14				159	161	164	165	165	164	160	160	150	148	151	118	107	121	139	150	160	158	161	165	165	163	162	163	153	0	5 06	165	12 00	102	63
15	✓	✓		163	162	163	166	167	166	162	165	169	167	166	156	145	158	172	178	174	167	162	163	163	163	161	161	164	0	15 31	179	12 28	142	37
16	✓	✓		163	166	167	167	167	166	166	172	174	173	171	148	132	124	132	141	154	158	155	161	163	162	161	162	159	0	9 53	175	13 20	122	53
17				162	162	164	166	168	167	164	159	155	152	146	139	134	125	123	135	144	153	157	163	165	164	163	162	154	0	5 30	170	14 10	118	52
18	✓			163	163	165	165	166	166	160	159	158	160	151	139	130	131	128	131	148	158	156	161	162	161	160	162	154	0	5 06	167	13 55	127	40
19	✓			163	163	164	165	167	167	166	171	168	166	166	155	132	119	128	144	154	157	157	162	164	163	162	163	158	0	7 20	172	13 20	116	56
20				162	164	165	165	166	167	168	171	177	170	155	138	132	130	124	123	141	149	152	157	160	161	157	157	155	0	8 33	179	15 14	118	61
21				159	160	161	164	165	166	165	170	173	175	173	162	156	145	142	141	146	147	148	157	159	159	160	162	159	1	9 03	178	15 40	138	40
22				164	162	163	164	165	164	166	181	182	177	174	168	160	163	165	164	162	162	158	160	162	162	163	165	166	0	7 53	185	18 47	157	28
23	✓	✓		164	162	164	165	167	167	166	165	167	166	167	157	148	147	149	150	150	156	156	161	164	164	164	164	160	0	8 30	170	13 10	144	26
24	✓			162	165	166	167	168	168	169	175	177	174	174	175	182	207	199	178	155	145	149	160	164	165	165	164	170	0	13 50	212	17 32	143	69
25	✓	✓		164	164	164	166	167	166	157	152	145	138	138	137	129	131	132	142	149	158	162	164	168	167	166	166	154	0	20 40	169	12 40	128	41
26				165	166	168	169	170	165	162	170	167	172	180	180	182	183	179	179	167	158	155	162	164	164	164	163	169	0	13 33	185	18 10	154	31
27			✓	162	162	166	169	168	164	159	170	178	177	178	169	162	149	136	133	147	157	157	164	166	165	165	165	162	1	10 10	181	15 00	130	51
28				164	166	166	166	166	167	166	178	175	169	172	175	182	183	182	166	149	141	148	158	159	161	161	160	166	0	12 49	184	17 30	140	44
29				160	161	163	166	167	167	166	172	166	152	148	142	143	152	166	157	152	150	153	162	165	165	163	161	159	0	7 43	174	11 30	140	34
30			✓	161	161	163	166	168	169	166	171	162	146	140	140	150	153	158	145	148	155	155	158	160	160	161	161	157	1	7 26	172	10 49	134	38
31				162	162	163	166	169	171	177	183	170	152	141	130	121	123	129	135	144	148	148	160	160	158	159	161	154	0	7 16	184	12 35	120	64
MEANS ALL DAYS				161	161	163	164	166	165	164	169	168	166	162	152	143	142	144	147	152	155	155	161	162	162	161	161	159						47
MEANS TEN DAYS *				162	162	164	165	166	166	164	166	165	164	160	151	142	142	144	147	152	157	157	161	163	163	162	162	159						45
MEANS FIVE DAYS † (G. M. T.)				163	163	164	165	166	165	162	164	164	162	162	151	139	139	144	151	158	161	156 159	161 162	163	162	162	162	159						
MEANS FIVE DAYS ‡ (G. M. T.)				160	160	162	164	165	164	162	168	168	166	166	156	149	145	144	141	149	155	155	161	163	162	161	160	159						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 90

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1937 — FEBRUARY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			162	162	162	165	169	170	171	183	176	154	141	133	130	133	139	142	147	147	150	161	162	162	162	160	156	0	7 40	185	13 00	129	56
2				159	160	162	166	169	170	170	166	152	136	128	128	129	138	154	159	158	156	158	159	155	155	159	165	155	1	5 42	172	11 10	127	45
3			✓	157	154	163	162	164	163	170	186	182	168	153	135	124	125	128	145	144	146	153	160	160	161	161	161	155	2	7 50	188	12 40	120	68
4				162	161	161	162	166	170	174	185	179	168	155	148	144	142	140	132	137	145	149	156	157	157	158	156	157	1	7 14	187	15 40	131	56
5			✓	158	161	162	163	166	166	166	173	181	178	167	154	166	169	162	138	126	135	149	158	158	159	160	159	160	0	8 40	183	16 30	125	58
6				161	161	161	161	162	167	168	170	165	154	145	140	139	140	137	130	132	141	153	159	161	161	161	161	154	0	5 53	171	15 49	127	44
7	✓			161	161	163	165	166	166	163	167	170	170	169	166	176	178	166	158	151	149	155	161	162	161	161	162	164	0	13 12	181	17 00	147	34
8	✓	✓		161	163	164	165	165	165	161	155	151	152	156	158	167	181	187	178	161	153	157	161	161	161	161	161	163	0	14 02	189	9 07	149	40
9			✓	160	161	162	163	164	166	161	158	153	141	140	148	150	158	161	149	146	152	161	163	161	161	162	163	157	1	5 46	167	10 28	135	32
10				158	160	162	161	162	164	161	161	160	157	161	154	159	161	161	153	141	139	152	160	160	160	161	161	158	1	5 52	165	17 09	135	30
11				161	164	164	165	166	165	165	166	160	148	139	134	136	143	153	163	165	161	157	161	161	162	161	161	158	0	7 00	167	11 17	132	35
12				162	161	163	165	168	168	168	172	167	156	144	139	142	148	160	165	161	151	154	161	160	160	160	162	159	0	7 23	173	11 30	138	35
13				162	162	163	165	165	167	166	165	158	150	145	139	134	138	147	154	155	154	153	160	161	162	163	162	156	0	5 57	168	12 00	133	35
14	✓			162	165	165	166	168	168	169	173	173	169	160	149	146	148	153	155	153	155	157	162	163	162	160	161	161	0	7 50	174	12 53	145	29
15				163	164	163	163	166	169	172	183	185	176	154	138	137	137	142	144	149	151	150	156	156	158	159	159	158	0	8 12	188	12 47	135	53
16				162	161	163	163	165	165	160	155	149	146	137	133	138	146	152	155	160	160	157	161	163	164	164	164	156	0	5 24	167	11 23	131	36
17				164	164	164	165	168	168	169	168	163	160	152	135	132	139	139	135	139	143	148	159	160	160	160	160	155	1	7 12	171	12 02	126	45
18				160	161	164	165	168	168	167	170	171	168	161	152	149	152	155	158	152	155	156	163	166	167	167	163	162	1	7 58	173	12 30	148	25
19			✓	163	165	166	168	169	169	166	171	175	163	156	146	145	153	153	150	149	155	160	165	167	166	163	163	161	1	8 04	184	12 23	138	46
20				163	163	167	168	171	171	168	174	177	176	171	174	183	184	174	157	150	149	156	165	168	169	169	167	168	1	12 41	185	17 05	147	38
21			✓	164	164	166	166	168	171	171	172	171	169	163	165	165	156	146	138	141	146	156	164	164	164	165	165	162	1	8 00	174	15 36	136	38
22				164	166	167	168	170	170	166	166	166	170	167	158	153	153	152	149	151	153	158	159	159	161	161	162	161	1	9 38	174	15 44	148	26
23	✓	✓		162	162	165	166	167	169	166	167	159	155	155	155	151	152	153	149	148	149	154	160	160	161	161	160	159	0	5 21	170	16 30	147	23
24	✓	✓		162	163	166	166	169	170	167	168	162	153	144	138	140	146	148	140	138	144	150	158	160	159	159	160	155	0	5 00	170	15 56	136	34
25	✓			161	162	165	167	169	170	171	173	167	163	160	158	154	153	154	150	155	157	154	160	161	161	161	161	161	1	7 12	174	15 23	148	26
26	✓	✓		162	164	165	168	170	170	167	170	166	154	149	144	137	132	132	136	143	149	154	158	161	161	162	162	156	0	7 40	171	14 38	131	40
27	✓	✓		163	165	166	169	170	172	173	181	179	175	166	157	156	159	161	160	158	156	153	158	159	160	164	164	164	0	7 44	182	18 10	152	30
28	✓			165	167	168	169	170	172	177	190	187	189	183	169	169	167	164	161	159	158	157	161	162	164	164	164	169	0	9 55	191	18 10	156	35
29																																		
30																																		
31																																		
MEANS ALL DAYS				162	162	164	165	167	168	168	171	168	161	154	148	148	151	153	150	149	150	154	160	161	161	162	162	159						39
MEANS TEN DAYS ✲				162	163	165	167	168	169	168	173	169	163	158	153	153	155	156	153	151	152	154	160	161	161	162	162	161						35
MEANS FIVE DAYS † (G. M. T.)				162	163	165	167	168	169	167	168	163	158	154	150	150	154	156	153	150	150	155 154	160 159	161	161	161	161	159						
MEANS FIVE DAYS ‡ (G. M. T.)				160	161	164	164	166	167	167	172	172	164	156	150	150	152	150	144	141	147	156	161	161	162	163	162	159						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 91

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1937 MARCH 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	165	166	167	169	169	169	171	183	185	186	189	180	172	170	163	150	146	150	160	162	160	156	158	163	167	1	10 33	192	16 02	143	49
2				164	164	166	169	171	173	175	181	177	169	161	155	155	155	150	152	155	155	156	160	163	163	164	164	163	0	7 32	182	14 56	148	34
3	✓	✓		165	166	167	168	170	171	172	179	182	183	179	163	154	151	150	149	150	151	154	160	161	162	163	163	164	0	9 55	185	14 57	147	38
4				163	165	165	168	171	172	169	167	163	158	154	150	152	155	152	152	155	158	159	162	163	163	163	163	161	0	5 16	172	11 51	149	23
5			✓	164	164	167	167	167	173	172	184	184	200	193	181	177	171	164	153	153	153	155	160	163	164	164	168	169	2	9 28	208	16 50	150	58
6	✓			168	167	168	168	170	168	165	165	162	159	161	163	164	162	154	158	157	155	155	160	161	163	162	163	162	0	4 30	171	14 40	151	20
7	✓	✓		164	163	164	166	168	169	168	169	165	158	155	156	156	160	155	149	151	154	159	164	164	166	165	164	161	0	7 38	170	15 39	145	25
8	✓	✓		165	165	167	169	172	173	173	173	171	168	165	159	157	157	155	155	158	156	158	162	162	164	166	168	164	0	7 40	174	15 10	152	22
9	✓			168	167	168	169	170	170	165	163	159	151	158	159	160	165	168	166	162	159	160	162	164	165	164	166	164	0	5 04	171	9 30	150	21
10	✓			165	165	167	169	170	171	170	167	162	156	154	156	153	150	148	151	153	155	161	163	163	163	163	163	161	0	5 30	172	14 26	145	27
11		✓		165	167	168	171	172	172	174	174	169	161	157	154	152	153	149	152	152	156	158	162	164	164	164	165	162	0	7 20	175	14 30	147	28
12	✓	✓		169	169	170	171	173	173	172	173	174	170	170	162	158	160	159	157	157	157	161	164	166	165	166	166	166	0	8 20	175	15 10	156	19
13				166	166	169	170	172	171	170	171	172	171	171	165	163	158	155	152	154	155	160	164	165	160	164	172	165	1	9 00	173	15 30	150	23
14				168	168	168	170	172	172	172	173	174	172	169	168	162	161	148	149	152	155	161	165	165	166	165	166	165	1	8 10	175	14 49	146	29
15			✓	168	167	169	170	172	172	174	179	185	190	174	162	151	147	145	147	152	164	166	167	167	166	167	167	166	1	9 20	194	14 06	144	50
16				165	166	169	172	173	173	171	172	170	169	170	171	166	160	155	147	147	156	161	163	164	164	165	166	165	0	5 00	174	16 00	144	30
17				169	170	171	173	172	173	173	181	182	179	177	179	175	165	156	154	155	161	165	167	166	166	168	169	169	0	8 10	185	15 57	153	32
18	✓			169	170	170	172	173	176	177	180	180	177	178	170	157	149	145	146	149	156	162	160	161	162	162	162	165	0	7 53	181	14 50	144	37
19	✓			164	166	167	170	170	170	169	166	166	168	168	165	155	145	141	143	148	155	157	161	162	163	163	163	161	0	3 42	170	14 30	140	30
20	✓			166	167	167	169	170	170	170	171	170	170	169	168	162	154	151	149	152	157	161	163	165	166	166	162	164	0	7 38	173	15 30	149	24
21				168	168	167	169	170	170	169	168	169	167	165	169	172	170	166	163	160	162	163	161	165	165	164	160	166	0	13 00	173	16 30	159	14
22				160	164	167	167	169	168	163	165	174	169	165	160	160	157	156	154	153	157	163	163	165	167	167	166	163	1	8 46	179	15 57	151	28
23				167	168	169	169	172	172	168	156	142	134	129	130	131	131	130	135	143	151	159	160	162	164	164	164	153	0	5 43	173	10 33	128	45
24				165	165	168	170	171	172	171	167	161	152	145	148	151	154	151	151	154	160	164	163	164	165	165	165	161	0	6 10	173	10 30	143	30
25				165	167	168	171	172	170	167	160	151	141	139	146	150	154	154	151	151	158	163	163	164	164	164	164	159	0	4 30	172	10 08	138	34
26				166	167	168	171	172	172	171	164	158	150	144	143	141	141	145	146	152	157	162	161	162	166	161	163	158	0	4 32	172	12 40	138	34
27			✓	165	167	168	171	172	172	171	163	151	137	134	135	136	130	126	137	147	154	163	164	164	164	164	164	155	1	4 50	176	14 10	125	51
28				168	169	170	173	173	173	174	173	168	161	154	151	148	148	145	148	155	161	165	165	168	169	167	168	163	0	6 53	176	14 08	145	31
29				169	172	172	173	173	174	174	171	165	160	156	155	153	148	144	144	151	158	165	165	168	167	165	168	163	0	6 07	176	15 10	143	33
30				169	170	172	172	174	175	179	180	176	168	160	158	155	145	133	142	150	158	163	164	164	164	166	163	163	0	7 03	181	14 25	128	53
31			✓	165	169	165	171	173	173	171	174	176	169	159	158	154	146	150	152	159	160	165	167	168	169	168	168	165	1	3 47	181	13 33	144	37
MEANS ALL DAYS				166	167	168	170	171	172	171	171	169	165	162	159	156	154	150	150	153	157	161	163	164	164	164	165	163						33
MEANS TEN DAYS ✻				166	166	168	169	171	171	170	171	169	166	166	162	158	155	153	152	154	156	159	162	163	164	164	164	163						26
MEANS FIVE DAYS † (G. M. T.)				166	166	167	169	171	172	172	174	172	168	165	159	155	156	154	152	154	155	158 158	162 162	163	164	164	164	163						
MEANS FIVE DAYS ‡ (G. M. T.)				165	167	167	170	171	172	172	177	176	176	170	163	158	153	150	148	151	156	162	163	163	165	164	164	164						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 92

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				171	172	172	173	173	173	177	180	175	163	155	153	156	153	147	142	144	153	162	164	165	165	165	168	163	0	7 20	181	15 40	141	40
2				171	172	172	171	173	174	170	169	167	159	152	148	148	143	144	152	159	165	168	166	166	165	169	170	163	1	5 48	176	14 17	140	36
3				169	173	173	173	173	171	178	183	183	170	157	152	151	150	148	143	148	158	165	168	168	169	169	170	165	1	8 21	185	15 50	142	43
4				172	172	173	173	173	173	173	174	169	161	159	161	162	157	152	148	152	161	165	166	168	168	169	169	165	0	6 50	175	15 39	147	28
5	✓			170	172	172	172	173	175	177	177	174	171	171	179	185	169	152	147	151	160	167	167	167	167	165	166	169	0	12 28	188	15 10	146	42
6	✓			168	170	171	172	174	175	171	169	168	164	160	159	159	153	148	144	149	158	165	166	167	169	168	168	164	0	5 04	176	15 46	144	32
7	✓			169	171	171	171	172	174	172	172	172	171	169	168	169	165	151	147	155	165	168	167	168	168	167	167	167	0	5 13	175	15 17	146	29
8	✓	✓		167	169	171	172	172	174	172	169	164	159	151	151	157	157	155	157	159	164	167	167	167	168	169	168	164	0	5 54	174	11 20	149	25
9		✓		169	170	171	172	173	174	174	174	170	165	163	164	169	167	159	152	154	165	167	166	167	169	169	170	167	0	6 20	175	15 32	151	24
10	✓	✓		169	171	171	172	172	173	176	178	177	177	176	172	169	169	162	160	161	163	165	165	166	165	168	169	169	0	7 33	178	15 10	159	19
11	✓			171	173	174	176	176	176	176	177	176	170	163	156	154	159	154	152	157	163	167	167	168	168	167	168	167	0	7 36	177	15 20	151	26
12				172	171	172	173	177	179	179	173	166	163	154	149	147	149	152	154	162	168	166	164	168	171	169	171	165	1	5 30	180	12 23	146	34
13	✓			171	171	172	172	172	173	176	179	176	165	158	154	149	152	157	155	158	163	167	166	167	167	167	167	166	0	7 37	180	12 20	148	32
14	✓	✓		168	170	170	171	172	172	172	169	165	164	159	152	152	154	154	155	156	165	169	169	171	171	170	170	165	0	6 38	173	11 40	151	22
15	✓			170	170	172	172	173	173	173	170	162	153	145	141	137	139	144	148	154	162	166	167	169	170	170	170	161	0	5 50	173	12 48	137	36
16		✓		170	170	172	173	174	174	179	181	176	170	165	161	159	162	164	162	164	165	166	166	167	169	168	168	169	0	7 22	182	12 06	158	24
17				170	170	170	173	174	175	175	176	175	174	173	170	171	170	166	162	162	165	166	166	166	167	170	170	170	0	8 02	177	15 30	161	16
18				171	173	173	174	176	178	179	185	187	183	179	178	181	178	171	167	165	165	166	167	169	170	170	170	174	0	8 00	188	17 09	164	24
19				171	171	171	173	175	176	174	172	169	165	166	167	169	165	160	157	158	162	166	167	168	169	169	169	168	0	5 43	178	15 00	155	23
20				170	171	171	171	173	175	178	178	173	167	161	161	169	173	161	153	154	163	165	165	166	166	165	168	167	0	6 50	179	16 10	151	28
21				169	169	171	171	172	171	172	172	172	172	174	175	178	178	169	157	157	162	165	165	167	168	168	169	169	0	12 55	181	16 20	156	25
22	✓			169	170	172	174	174	174	174	170	166	162	162	158	160	162	158	157	158	162	165	165	167	170	170	169	166	0	5 40	175	15 30	156	19
23				170	171	172	172	173	174	172	173	176	181	180	181	173	160	149	149	152	158	162	165	166	166	168	169	168	0	9 50	184	15 00	147	37
24			✓	170	170	172	173	174	174	174	178	175	175	170	165	169	166	154	143	153	157	165	167	174	177	178	178	169	2	7 08	180	15 35	139	41
25			✓	176	176	175	176	178	180	180	178	171	160	154	149	146	146	141	152	157	162	164	170	171	170	170	173	166	2	5 38	181	14 43	122	59
26			✓	172	175	176	176	177	179	176	172	166	159	148	146	150	153	143	154	154	152	165	163	162	169	174	174	164	2	5 30	180	14 22	125	55
27			✓	176	176	176	174	174	176	178	174	169	161	153	145	137	130	132	140	149	157	161	164	163	167	165	166	161	2	6 36	179	14 06	126	53
28			✓	174	177	178	170	176	182	191	192	183	175	170	157	156	151	146	143	147	153	160	164	170	168	169	170	168	2	7 02	196	15 40	141	55
29				172	175	174	175	174	174	177	181	178	175	170	163	163	164	170	166	160	163	165	167	172	175	175	176	171	1	7 16	182	16 27	159	23
30				176	177	175	175	177	179	185	194	190	179	175	166	162	152	146	146	157	166	170	171	173	171	172	174	171	1	7 43	196	14 50	144	52
31																																		
MEANS ALL DAYS				171	172	172	173	174	175	176	176	173	168	163	160	160	158	154	152	156	162	166	166	168	169	169	170	167						33
MEANS TEN DAYS ✱				169	171	172	172	173	174	174	173	170	166	161	159	159	158	154	152	156	162	167	167	168	168	168	168	166						28
MEANS FIVE DAYS † (G. M. T.)				169	170	171	172	173	173	175	174	170	167	163	160	161	162	159	157	159	164	167 167 167 167		168	168	168	168	167						
MEANS FIVE DAYS ‡ (G. M. T.)				174	175	175	174	176	178	180	179	173	166	159	152	152	149	143	146	152	156	163	166	167	170	171	172	165						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

☐ = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

☐ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 93

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1937 — MAY 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				174	174	173	174	175	175	178	183	181	176	170	167	161	161	167	164	161	166	169	169	170	170	169	169	171	0	7 23	184	13 15	158	26
2	✓			172	173	173	175	175	175	173	172	169	162	158	158	159	156	157	160	162	164	167	168	170	171	171	171	167	0	5 00	176	13 10	155	21
3				172	172	174	173	173	173	174	173	171	169	170	167	167	161	162	162	164	165	164	167	169	170	169	172	169	1	2 18	176	13 16	159	17
4			✓	175	175	175	175	175	175	176	176	177	181	184	187	186	171	162	157	160	164	162	162	166	165	165	167	172	1	12 00	192	15 53	156	36
5			✓	170	179	177	177	180	187	194	199	187	168	153	154	147	137	138	142	147	158	164	167	169	169	169	171	167	2	7 46	200	14 10	133	67
6	✓	✓		173	173	175	175	175	176	176	175	170	164	159	154	151	152	149	151	157	164	167	169	169	171	171	171	166	0	6 10	177	15 00	148	29
7	✓	✓		173	174	173	174	174	175	177	178	174	167	163	157	155	153	146	148	155	164	165	166	169	170	170	170	166	0	7 10	178	14 40	144	34
8	✓			172	173	173	173	173	174	174	173	169	165	161	158	159	159	162	164	165	170	170	170	173	175	175	173	169	0	22 40	176	11 50	157	19
9				174	174	174	173	175	174	174	175	176	176	170	179	181	180	176	172	173	172	171	170	173	174	174	173	174	1	11 56	181	10 24	168	13
10				171	171	174	175	175	177	178	173	167	161	161	165	171	178	173	164	163	169	169	166	169	174	170	172	170	0	13 50	180	9 40	160	20
11				174	173	173	173	175	178	180	183	175	167	161	152	153	156	159	167	168	167	169	169	170	172	171	172	169	0	7 20	183	11 40	150	33
12	✓			174	172	174	174	175	175	174	174	172	167	163	160	154	155	161	165	166	166	166	169	171	172	172	173	168	0	4 50	175	12 57	153	22
13				175	176	176	175	176	176	178	179	175	163	152	146	143	143	147	155	160	168	170	170	173	174	172	172	166	0	7 30	179	13 30	142	37
14				174	175	175	175	176	177	180	182	175	170	167	158	148	145	143	144	153	167	169	170	171	171	170	170	167	0	7 24	183	13 48	142	41
15				172	173	174	174	175	176	178	175	169	163	157	152	150	152	157	161	162	167	169	168	170	172	174	174	167	0	6 40	178	11 43	149	29
16	✓			173	174	174	174	174	177	177	174	173	174	174	177	182	177	174	168	163	166	168	169	171	173	172	172	173	0	12 34	183	16 40	162	21
17				173	173	174	174	176	177	179	177	171	165	159	152	146	146	147	151	156	164	166	168	171	171	171	172	166	0	6 10	179	12 55	145	34
18		✓		171	172	172	173	174	176	176	179	179	170	164	159	159	156	147	140	147	159	164	167	170	170	170	171	166	0	8 00	181	15 17	139	42
19				173	171	173	173	173	175	176	176	172	165	167	170	176	169	159	155	159	164	165	167	169	170	170	171	169	0	7 00	178	15 20	154	24
20	✓	✓		173	173	173	173	173	174	175	179	181	178	176	180	179	171	161	158	156	161	166	169	171	172	172	172	172	0	8 20	182	16 13	156	26
21	✓			173	175	175	175	175	175	177	181	186	185	180	175	161	161	161	162	163	168	168	169	171	172	172	172	172	1	8 50	189	13 15	158	31
22	✓			175	175	174	175	175	177	177	176	172	170	166	162	162	164	170	169	166	166	167	169	171	172	172	170	170	0	6 07	178	12 20	161	17
23	✓	✓		172	173	172	173	174	176	175	174	173	173	173	171	168	167	163	165	168	169	171	173	175	175	175	175	172	0	6 04	176	14 40	162	14
24				175	176	176	175	177	177	176	175	169	159	159	162	166	170	170	174	172	172	172	173	174	174	174	173	172	0	5 48	178	9 44	157	21
25				177	177	180	178	178	181	182	179	169	155	148	141	133	143	151	159	166	174	176	175	175	179	177	176	168	0	6 00	183	12 10	127	56
26				181	181	180	181	179	181	184	185	184	176	168	158	155	157	163	168	169	173	176	176	177	179	180	179	175	0	8 00	185	12 46	154	31
27			✓	180	181	181	184	184	183	186	192	191	185	176	171	158	155	155	156	160	159	165	167	172	170	170	168	173	1	8 45	193	13 10	152	41
28			✓	172	173	173	175	177	180	183	193	197	199	187	177	164	157	155	157	163	167	170	171	172	170	173	173	174	1	9 20	202	14 47	153	49
29			✓	173	175	175	176	180	176	181	183	179	173	165	155	151	146	151	156	160	169	170	170	172	172	172	172	169	1	7 03	184	13 27	145	39
30				174	175	174	175	176	179	177	179	177	171	166	157	146	138	141	146	157	165	166	167	169	169	170	173	166	0	7 24	180	13 48	137	43
31				173	174	173	173	174	174	175	174	170	165	159	157	157	155	153	154	157	165	170	170	171	173	173	171	167	0	7 05	177	14 20	152	25
MEANS ALL DAYS				174	174	175	175	176	177	178	179	176	170	166	163	160	158	157	159	161	166	168	169	171	172	172	172	169						31
MEANS TEN DAYS *				173	174	174	174	174	175	176	176	174	170	167	165	163	162	160	161	162	166	168	169	171	172	172	172	170						23
MEANS FIVE DAYS † (G. M. T.)				172	173	173	174	174	175	176	177	175	170	167	164	162	160	153	152	157	163	166 167	168 169	170	171	171	171	168						
MEANS FIVE DAYS ‡ (G. M. T.)				174	177	176	177	179	180	184	189	186	181	173	169	161	153	152	154	158	163	166	169	171	171	171	172	171						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 94

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1937

JUNE 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			173	172	174	175	174	175	175	174	169	167	159	155	155	155	157	158	161	166	169	170	171	170	171	172	167	0	6 50	177	12 00	154	23
2	✓			173	174	174	173	174	174	179	189	194	195	183	172	165	162	161	156	157	165	169	170	170	173	173	173	173	0	9 20	197	15 50	154	43
3	✓			174	174	174	174	174	174	173	174	176	174	170	168	172	174	170	165	165	168	170	171	173	173	173	173	172	0	8 32	177	15 30	165	12
4	✓			174	175	175	175	176	175	175	171	167	168	165	158	153	154	158	158	162	166	166	167	169	170	170	172	167	0	4 15	177	13 00	151	26
5			✓	172	174	175	174	175	175	176	179	184	180	177	176	175	172	172	166	165	167	169	170	172	168	169	172	173	1	8 23	185	16 10	164	21
6			✓	171	172	176	176	177	176	179	180	172	165	159	163	167	163	159	156	157	165	168	168	172	172	172	172	169	1	7 10	181	16 10	154	27
7				174	175	175	175	174	176	176	173	166	156	155	160	165	166	164	160	167	170	169	171	172	172	172	172	169	0	6 05	177	10 34	154	23
8	✓			173	175	175	175	175	175	176	174	166	156	151	153	149	148	145	150	161	167	167	169	172	173	172	172	165	0	6 30	177	13 43	145	32
9		✓		173	173	173	173	173	173	173	173	168	164	156	151	151	151	157	165	169	172	170	169	171	172	171	172	167	0	7 03	174	13 10	149	25
10				177	175	174	173	173	175	177	177	169	155	141	144	150	153	156	166	168	169	168	169	169	170	170	170	166	1	0 12	184	10 40	140	44
11	✓	✓		172	172	172	172	173	174	177	170	162	157	154	152	149	148	154	157	157	164	166	168	170	173	172	170	165	0	6 16	177	13 20	145	32
12	✓	✓		170	170	172	173	173	173	177	177	177	178	175	169	161	155	149	147	152	162	168	168	169	171	171	170	168	0	9 22	179	15 40	146	33
13			✓	169	171	172	175	176	178	180	200	195	189	177	172	167	164	162	164	165	167	167	168	171	172	172	172	174	1	8 00	204	14 54	160	44
14				171	171	171	172	173	174	175	176	174	166	158	152	151	142	128	131	151	163	166	167	171	171	171	171	163	0	7 20	177	15 00	125	52
15				171	172	172	171	173	174	178	186	184	178	171	159	154	151	154	154	160	168	166	168	170	172	174	173	169	0	7 40	187	13 20	151	36
16				171	173	173	173	173	175	177	180	178	175	164	158	169	166	156	154	159	164	166	168	171	172	172	172	169	0	7 25	181	15 20	153	28
17				170	171	172	173	174	175	175	171	162	155	153	150	143	135	134	147	160	169	168	169	171	173	173	174	163	0	6 22	176	14 04	130	46
18				175	173	172	174	175	176	180	180	169	156	147	139	139	145	152	145	153	164	167	172	175	176	175	175	165	0	6 54	182	12 00	136	46
19		✓		176	177	177	178	176	178	179	181	180	176	171	171	166	169	176	175	174	169	169	172	173	174	174	174	174	0	8 00	182	12 47	165	17
20			✓	173	171	177	178	180	181	181	176	165	159	158	163	162	163	163	163	166	170	172	177	177	177	177	178	171	1	6 20	182	10 37	156	26
21				177	178	179	179	180	180	184	181	170	151	142	141	137	134	135	140	152	166	170	173	174	174	174	175	164	0	6 34	184	13 10	131	53
22				176	177	177	177	178	184	182	178	166	158	150	136	138	139	148	163	171	177	171	172	174	177	177	177	168	1	5 40	187	11 44	134	53
23	✓			177	177	177	177	178	180	181	176	166	159	149	143	145	146	145	150	160	173	171	171	172	175	175	175	167	0	6 30	181	11 46	142	39
24				174	176	176	175	174	176	180	177	170	160	150	153	160	163	164	164	164	169	169	170	171	171	171	173	169	1	6 32	181	10 34	148	33
25				173	171	173	173	174	176	180	179	174	169	162	155	153	149	148	153	158	168	169	170	172	174	173	174	168	0	6 50	181	14 05	147	34
26		✓		172	173	173	174	174	174	176	175	172	166	157	157	157	155	150	153	160	164	167	170	172	173	173	172	167	0	6 24	177	15 00	149	28
27			✓	174	173	175	176	177	177	177	173	166	160	162	161	153	143	144	154	160	171	169	172	172	172	173	170	167	1	6 53	179	13 43	141	38
28				172	172	172	174	175	178	182	185	176	161	145	143	141	138	140	144	151	168	171	171	172	172	172	172	164	0	7 17	187	13 20	137	50
29	✓			175	175	175	176	176	176	179	185	182	178	173	175	174	169	153	141	149	157	167	167	170	171	170	170	170	0	7 33	186	15 16	139	47
30	✓			171	172	173	173	173	174	175	175	170	166	153	145	141	143	146	156	161	167	170	171	173	175	175	175	166	0	6 58	178	12 22	140	38
31																																		
MEANS ALL DAYS				173	173	174	175	175	176	178	178	173	167	160	156	155	154	153	155	160	167	168	170	172	173	173	173	168						35
MEANS TEN DAYS ✱				173	174	174	174	175	175	177	176	173	170	163	159	156	155	154	154	158	166	168	169	171	172	172	172	168						32
MEANS FIVE DAYS † (G. M. T.)				173	173	173	174	174	174	176	175	172	168	163	160	157	156	157	159	162	166	167 168	170 169	172	173	172	172	168						
MEANS FIVE DAYS ‡ (G. M. T.)				172	172	175	176	177	177	179	182	176	171	167	167	165	161	160	161	163	168	169	169	171	171	171	172	170						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▽̄ = NO RECORD

TABLE 95

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1937

JULY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				175	175	174	174	175	175	178	186	188	186	183	178	170	164	164	169	169	170	170	171	173	174	175	174	175	0	8 00	191	14 30	163	28
2				174	174	174	174	174	175	177	177	173	166	159	152	154	150	145	148	153	163	167	169	172	174	175	175	166	0	7 00	180	14 20	144	36
3	✓	✓		176	175	176	175	174	176	177	170	163	159	157	156	153	153	153	157	159	166	169	170	173	174	174	174	167	0	6 20	178	14 10	152	26
4	✓			174	174	174	174	175	174	174	170	165	157	152	147	146	147	150	157	160	166	168	171	173	172	173	173	165	0	4 30	175	12 50	145	30
5				172	174	174	174	175	177	174	171	165	160	161	163	163	165	163	162	165	169	171	171	172	173	173	173	169	0	5 15	177	10 24	159	18
6				174	178	178	179	176	177	177	177	174	170	170	169	170	166	163	163	166	172	172	172	172	172	175	175	172	0	5 41	180	14 30	162	18
7				175	178	176	178	177	179	182	175	158	143	136	136	134	130	125	133	140	158	166	168	171	171	171	171	160	1	6 26	186	14 06	122	64
8	✓	✓		173	173	172	173	174	174	177	178	179	176	171	165	164	162	160	156	159	164	166	169	171	172	172	171	170	0	8 50	180	15 40	155	25
9				171	172	173	174	174	177	178	181	178	165	161	151	144	143	147	150	155	161	167	170	170	169	170	171	166	1	7 26	182	13 00	142	40
10				173	174	174	174	175	178	184	187	179	166	156	148	145	145	142	139	143	156	164	167	170	171	171	171	165	0	7 20	188	15 30	138	50
11				171	172	173	174	174	176	179	180	176	169	156	152	155	153	153	154	156	163	169	170	172	173	173	171	167	1	7 10	182	11 00	146	36
12	✓			173	173	173	174	176	176	175	177	177	171	173	176	181	184	180	170	169	169	169	171	173	173	174	174	174	0	13 57	186	18 30	169	17
13				174	174	176	176	177	177	176	172	165	154	150	153	155	153	158	159	159	163	169	170	171	172	172	170	166	0	5 10	178	10 10	149	29
14			✓	169	172	174	173	175	176	180	180	170	165	156	163	170	161	156	165	166	168	170	169	171	173	174	174	170	1	7 00	184	10 16	155	29
15				174	174	174	175	175	177	180	179	175	172	169	169	170	168	165	160	161	164	170	171	173	176	177	176	172	0	6 55	181	15 34	159	22
16	✓			174	173	174	174	176	176	176	171	166	168	169	174	171	165	158	151	153	162	167	169	172	174	176	174	169	0	6 20	177	15 34	149	28
17				174	176	174	177	177	179	180	185	178	171	166	162	160	163	160	153	152	159	165	169	172	175	176	176	170	0	7 33	186	16 20	149	37
18	✓			176	176	176	176	176	176	175	180	189	194	192	187	185	176	165	158	158	165	170	171	173	174	174	174	176	0	9 17	195	15 53	155	40
19			✓	174	175	175	176	176	177	176	176	177	174	170	163	164	171	164	166	164	165	169	171	174	175	173	173	172	1	7 59	179	14 46	160	19
20			✓	174	177	178	178	179	179	182	181	169	161	150	147	155	157	155	154	161	168	171	173	175	176	177	176	169	0	7 50	184	11 14	145	39
21				177	178	178	177	176	178	180	174	168	162	155	146	144	150	151	150	151	162	168	170	173	173	171	171	166	0	6 35	181	12 20	143	38
22			✓	171	170	175	177	178	177	179	188	184	172	164	162	173	176	171	164	168	173	176	175	176	176	176	178	174	1	7 50	189	11 04	159	30
23				179	176	177	177	179	178	181	183	184	183	162	153	151	139	140	151	160	168	170	166	166	176	179	176	169	1	9 10	187	14 10	131	56
24			✓	176	176	178	180	180	180	184	195	200	189	173	162	154	143	136	143	157	167	171	170	175	176	176	176	172	1	8 10	201	14 13	134	67
25				174	176	176	177	178	179	179	179	176	165	158	154	151	148	151	155	162	170	176	177	180	182	182	183	170	0	23 30	184	13 00	146	38
26				180	182	180	176	176	178	179	174	164	159	158	152	155	155	156	150	148	157	166	169	170	172	173	173	167	0	1 36	183	16 20	147	36
27	✓	✓		174	174	174	175	176	176	179	188	190	183	182	176	176	177	177	172	166	163	167	168	171	173	174	174	175	0	8 36	192	17 20	162	30
28	✓	✓		173	173	173	175	175	176	177	169	158	156	156	158	158	155	153	151	152	160	165	167	170	171	172	171	165	0	6 17	179	16 10	150	29
29	✓	✓		171	172	173	173	173	174	172	170	172	176	183	182	173	166	163	159	164	167	170	170	171	171	172	174	171	0	10 44	186	15 20	159	27
30				174	174	174	175	175	175	175	174	171	168	175	174	172	166	159	156	158	162	168	171	171	172	173	173	170	0	10 51	177	15 40	155	22
31	✓			173	174	175	175	176	178	178	177	172	173	179	176	170	171	165	166	170	169	171	172	173	175	175	175	173	0	10 30	180	14 30	162	18
MEANS ALL DAYS				174	175	175	175	176	177	178	178	174	169	165	161	161	159	156	156	159	165	169	170	172	174	174	174	169						33
MEANS TEN DAYS ✲				174	174	174	174	175	176	176	175	173	171	171	170	168	166	162	160	161	165	168	170	172	173	174	173	171						27
MEANS FIVE DAYS † (G. M. T.)				173	173	174	174	174	175	176	175	172	170	170	167	165	163	161	159	160	164	166 167	168 169	171	172	173	173	170						
MEANS FIVE DAYS ‡ (G. M. T.)				173	174	176	177	178	178	180	184	180	172	163	159	163	162	156	158	163	168	171	170	171	174	174	173	171						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 96

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1937

AUGUST 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				176	176	176	176	178	178	179	186	183	182	182	172	165	164	162	168	170	168	168	169	173	174	171	165	173	0	7 30	187	14 30	161	26
2			✓	167	169	165	171	176	179	184	178	171	175	177	175	169	172	168	165	160	164	171	173	174	176	175	176	172	1	6 30	185	16 23	158	27
3			✓	176	170	179	179	178	178	178	175	170	167	169	165	167	168	162	157	151	157	163	170	175	174	175	173	170	0	2 25	180	16 45	150	30
4			✓	175	178	178	176	179	180	179	178	170	157	162	157	151	153	145	153	155	161	166	168	170	172	174	174	167	1	5 03	182	14 15	142	40
5				174	174	175	175	177	178	178	172	162	150	139	131	128	140	144	145	151	158	163	166	169	172	172	171	161	0	6 26	179	12 09	127	52
6				172	173	173	173	174	175	172	166	159	152	146	146	153	155	159	167	167	166	170	171	171	172	173	174	166	0	6 00	176	11 00	145	31
7				174	171	173	174	174	175	176	171	165	149	138	130	126	140	150	154	161	166	168	169	172	174	174	173	162	0	6 05	177	12 25	123	54
8	✓			172	174	174	175	177	178	178	169	157	148	140	142	151	154	159	167	170	173	173	173	174	175	175	174	167	0	6 20	180	11 00	138	42
9	✓			174	174	174	176	177	179	179	169	157	143	132	129	132	140	148	153	156	162	166	167	169	171	171	171	161	0	6 02	181	11 50	128	53
10				172	173	174	175	177	180	181	173	155	138	131	129	127	128	142	151	161	167	169	169	170	171	170	171	161	0	6 20	182	12 30	126	56
11				171	172	173	174	176	176	178	173	165	159	155	151	141	138	152	157	159	165	169	168	169	172	172	172	165	0	6 00	180	13 10	135	45
12	✓			172	174	175	175	177	178	177	176	172	164	159	157	148	142	148	152	155	164	166	167	169	171	171	172	166	0	6 00	179	13 40	141	38
13	✓	✓		173	174	176	176	176	177	177	177	173	165	159	155	152	153	160	164	166	171	170	169	171	173	174	174	169	0	7 28	178	13 00	151	27
14				175	175	175	176	177	178	178	175	166	154	147	148	143	139	141	146	153	162	166	169	170	172	173	173	164	0	6 00	180	13 13	137	43
15				175	174	173	175	176	177	177	179	179	179	178	177	172	167	170	171	169	169	170	171	173	173	174	174	174	0	8 02	180	13 40	166	14
16	✓	✓		174	175	175	176	177	178	180	183	179	172	173	170	166	162	169	171	167	166	169	170	172	172	174	176	173	0	7 27	184	13 33	160	24
17	✓			175	175	175	176	176	177	177	178	176	172	172	172	161	153	156	161	165	169	170	172	172	175	176	176	171	0	6 17	178	13 30	151	27
18				175	175	175	176	177	178	181	183	182	178	180	178	174	168	166	169	166	168	169	170	172	172	172	175	174	0	7 30	185	14 23	165	20
19				175	175	175	177	178	179	178	172	167	169	173	165	160	156	155	163	169	171	174	173	174	175	176	175	171	0	6 09	180	14 47	154	26
20				177	177	178	179	180	182	182	176	168	156	157	167	170	168	171	175	172	170	173	173	175	175	177	175	173	0	6 20	183	10 10	155	28
21				175	175	177	177	177	178	177	175	162	142	139	139	141	138	146	156	166	171	171	170	172	173	174	170	164	0	5 43	180	13 20	137	43
22			✓	170	171	173	170	180	177	187	190	176	156	143	139	141	136	138	149	164	172	172	172	173	173	175	175	166	2	7 14	194	14 02	134	60
23				176	177	177	178	178	179	179	179	179	177	176	175	171	163	166	171	175	169	170	170	172	173	173	175	174	0	6 20	180	13 40	162	18
24	✓	✓		177	177	179	179	180	181	181	183	179	179	178	181	178	166	169	176	179	176	174	173	174	175	175	177	177	0	7 24	184	13 40	164	20
25	✓	✓		179	178	179	179	181	182	182	183	177	166	156	158	163	156	153	156	161	167	173	171	172	172	173	173	170	0	7 43	184	14 50	153	31
26				174	175	175	176	178	179	180	186	185	183	180	174	170	163	155	152	155	162	169	169	170	172	172	173	172	0	7 50	187	15 10	151	36
27			✓	173	173	174	176	177	177	185	198	206	197	183	173	180	169	152	153	158	165	169	170	172	173	173	173	175	1	8 40	208	14 43	149	59
28				175	174	175	176	176	177	181	187	193	186	179	168	148	133	129	137	152	161	168	169	171	170	170	170	168	0	8 20	194	14 53	125	69
29				173	174	174	174	175	175	175	173	171	164	157	155	150	141	137	142	152	162	168	168	170	172	171	171	164	0	6 20	176	14 17	136	40
30	✓	✓		171	171	173	174	174	175	181	191	207	213	209	203	191	177	167	157	155	159	163	166	168	170	170	170	177	0	9 20	214	16 10	154	60
31	✓			172	173	173	174	176	178	177	174	177	176	175	179	183	180	171	160	155	161	166	169	171	174	173	173	172	0	12 50	184	16 20	154	30
MEANS ALL DAYS				174	174	175	176	177	178	179	178	174	167	163	160	157	154	155	159	162	166	169	170	172	173	173	173	169						38
MEANS TEN DAYS ✲				174	174	175	176	177	178	179	178	175	170	165	165	162	158	160	162	163	167	169	170	171	173	173	174	170						35
MEANS FIVE DAYS † (G. M. T.)				175	175	176	177	178	179	180	183	183	179	175	173	170	163	164	165	166	168	170 170 170 170		172	173	173	174	173						
MEANS FIVE DAYS ‡ (G. M. T.)				172	172	174	174	176	178	183	184	179	170	167	162	162	160	153	155	158	164	168	170	173	174	173	171	170						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 97

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1937 — SEPTEMBER 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	170	170	174	175	176	178	179	178	183	185	180	193	193	188	182	173	163	161	166	169	172	174	170	172	176	1	11 22	197	17 12	159	38
2	✓			174	174	175	177	179	179	179	174	165	152	143	147	157	157	155	157	161	167	170	172	172	171	173	174	167	0	5 37	180	10 30	142	38
3	✓	✓		174	176	177	177	179	180	176	167	158	149	134	134	140	148	156	162	159	162	167	169	171	172	172	169	164	0	5 44	181	10 50	130	51
4				169	172	173	174	177	178	176	168	160	151	148	150	153	154	151	155	155	160	165	167	167	169	171	172	164	0	5 40	178	10 56	146	32
5	✓			172	173	174	176	177	178	178	177	169	157	146	145	144	146	147	151	155	159	165	166	167	169	169	170	164	0	6 24	180	12 04	142	38
6	✓			171	173	174	176	177	178	180	177	169	156	147	140	141	138	140	145	152	162	168	167	167	167	167	169	163	0	6 14	181	13 43	135	46
7	✓			170	171	171	173	174	177	180	176	163	146	138	144	151	145	135	141	146	157	164	164	166	166	167	167	160	0	6 32	182	14 40	135	47
8	✓			169	170	172	173	175	177	180	188	184	175	161	157	157	155	157	159	158	161	166	168	168	168	168	169	168	0	7 35	190	13 55	154	36
9	✓			170	171	173	174	175	174	172	169	166	167	160	162	164	166	169	165	162	166	167	169	169	169	169	169	168	0	4 26	175	10 40	157	18
10			✓	170	171	173	174	174	176	178	187	188	186	176	169	171	171	163	156	158	158	164	164	158	164	169	170	170	1	8 54	191	17 33	149	42
11			✓	170	170	177	177	177	179	190	201	200	195	184	175	164	152	140	142	150	159	166	168	168	167	168	170	171	1	8 10	203	14 30	139	64
12		✓		170	171	175	176	177	177	176	178	174	167	161	154	150	145	142	142	145	156	165	168	169	169	167	167	164	0	7 30	179	15 06	142	37
13				170	171	174	174	174	177	175	173	167	161	154	151	151	153	153	146	147	159	166	167	168	170	170	170	164	0	5 50	177	16 06	143	34
14			✓	170	170	173	174	174	175	178	187	184	178	173	174	176	168	162	157	156	161	166	167	167	167	169	170	171	1	7 40	188	16 27	155	33
15				171	171	171	174	174	174	170	166	166	167	168	172	169	159	153	156	159	163	164	167	168	169	169	170	167	0	5 40	174	14 24	152	22
16				171	170	173	172	173	173	170	167	160	153	152	156	166	175	178	175	168	165	169	168	168	168	170	172	168	0	14 30	181	10 00	150	31
17				169	169	173	173	174	176	174	167	157	150	146	139	141	145	149	153	150	157	166	167	167	167	167	169	161	0	5 54	177	11 40	138	39
18				171	171	173	174	175	176	174	170	162	153	148	147	149	153	159	159	154	159	164	167	169	169	169	169	164	0	5 50	177	11 24	147	30
19	✓			172	173	173	174	176	177	173	162	150	144	140	142	143	145	142	145	150	158	166	168	168	169	170	171	160	0	5 52	178	10 40	139	39
20				172	173	173	176	177	177	172	162	143	131	130	133	137	143	148	154	158	164	167	166	165	168	169	171	160	0	5 27	178	9 56	128	50
21				172	172	173	173	174	176	176	176	173	165	157	154	154	148	148	151	159	165	167	168	168	170	170	171	166	0	7 48	178	13 40	145	33
22				170	171	173	174	175	176	177	175	171	164	160	154	147	143	147	151	158	165	167	167	167	166	169	171	165	0	7 02	178	13 45	143	35
23				172	172	173	175	176	179	181	185	178	168	164	165	163	160	159	160	161	164	168	169	167	167	172	171	170	0	7 26	185	13 26	158	27
24				171	173	177	176	177	178	178	175	171	167	159	152	150	150	152	156	163	167	170	171	171	170	169	169	167	0	6 03	179	12 10	149	30
25		✓		172	173	174	175	177	179	181	177	172	163	157	155	151	144	144	148	154	162	166	168	168	169	169	169	165	0	5 53	181	13 50	141	40
26				169	170	171	171	174	175	176	174	166	160	150	153	156	154	155	157	155	161	166	168	169	170	170	170	165	0	6 18	176	10 30	150	26
27				171	172	172	173	174	176	179	180	176	173	172	166	167	163	156	158	161	165	168	170	170	170	169	169	170	0	7 00	182	14 06	155	27
28	✓	✓		171	172	174	176	177	178	181	186	179	168	168	170	172	166	166	169	161	161	166	169	170	171	171	172	171	0	7 30	187	16 55	158	29
29	✓	✓		172	172	174	176	176	176	176	176	177	181	190	189	183	186	182	173	166	165	170	171	171	172	172	172	176	0	11 00	193	17 10	164	29
30			✓	173	173	175	176	177	179	168	157	147	137	140	129	123	131	138	143	150	163	169	167	169	172	173	174	158	2	5 33	180	12 06	110	70
31																																		
MEANS ALL DAYS				171	172	174	175	176	177	177	175	169	162	157	156	156	155	154	155	156	162	167	168	168	169	170	170	166						37
MEANS TEN DAYS ✱				172	172	174	175	176	177	178	175	168	160	153	153	155	155	155	157	157	162	167	168	169	169	170	170	166						37
MEANS FIVE DAYS † (G. M. T.)				172	173	175	176	177	178	178	177	172	166	162	160	159	158	158	159	157	161	168 167	170 169	170	170	170	171	168						
MEANS FIVE DAYS ‡ (G. M. T.)				171	171	174	175	176	177	179	182	180	176	171	168	165	162	157	154	155	160	166	168	167	170	171	171	169						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 98

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1937 — OCTOBER 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				172	172	173	178	177	177	185	193	190	193	198	198	191	185	175	162	156	162	168	169	171	172	170	170	177	1	10 40	200	16 35	155	45
2				172	174	174	174	175	176	172	166	154	144	146	142	136	135	136	135	138	151	163	166	168	168	166	168	158	0	1 42	177	13 43	133	44
3				168	169	171	173	174	174	174	173	170	166	180	183	171	173	167	167	165	166	171	162	163	168	167	165	170	1	11 15	188	19 38	160	28
4			✓	170	168	173	177	179	178	177	176	168	161	161	159	154	149	145	147	150	156	164	168	170	171	171	170	165	2	4 14	181	14 46	143	38
5				173	173	174	175	177	177	180	179	170	165	170	166	162	155	158	156	154	157	165	167	168	168	168	168	168	0	7 31	181	16 26	153	28
6	✓			170	171	173	175	177	178	184	189	178	165	158	152	146	145	145	146	147	153	166	166	167	167	167	166	165	1	7 28	190	13 45	142	48
7				169	166	169	171	173	173	174	173	169	154	153	149	149	138	132	138	149	152	165	166	163	163	162	169	160	1	6 46	175	14 13	131	44
8			✓	166	166	172	173	173	176	183	188	183	176	172	155	155	149	138	131	134	146	160	163	164	166	166	167	163	1	7 18	189	16 06	130	59
9			✓	169	170	172	173	173	176	180	178	180	179	192	181	167	153	147	141	145	154	162	167	171	170	171	169	168	2	10 33	201	15 02	131	70
10			✓	170	169	170	170	175	177	183	190	182	171	159	152	147	143	143	143	149	155	162	167	167	167	166	168	164	1	7 25	192	15 14	142	50
11			✓	170	170	171	174	176	176	176	174	169	152	153	166	151	152	146	152	156	163	170	168	167	167	167	169	165	2	5 19	181	9 47	135	46
12				169	171	172	174	174	177	183	181	167	155	145	138	139	145	149	139	147	159	164	168	169	166	167	168	162	1	6 22	185	11 28	134	51
13				170	171	171	172	174	176	175	171	165	158	155	151	144	140	137	130	135	150	162	166	167	167	167	165	160	0	5 57	178	15 34	128	50
14				166	169	170	172	173	173	179	182	175	169	163	152	132	123	124	129	135	148	161	165	166	166	165	163	159	0	7 44	184	13 36	120	64
15				163	165	167	171	172	172	168	165	163	158	165	165	157	153	151	147	150	158	165	165	165	166	167	166	163	0	4 30	173	15 39	144	29
16	✓			165	167	168	172	172	169	165	162	158	157	158	158	159	163	165	157	148	154	163	167	167	168	166	166	163	0	3 54	172	16 40	147	25
17	✓	✓		166	168	169	171	173	173	170	166	157	156	154	149	146	152	152	145	143	149	160	164	164	165	166	166	160	0	5 27	174	16 10	141	33
18	✓	✓		167	169	169	169	171	173	170	169	162	160	155	153	151	149	146	144	147	157	164	166	166	165	164	166	161	0	5 30	173	15 50	143	30
19	✓			166	167	169	170	172	173	164	152	143	141	141	138	140	131	130	134	139	150	162	165	165	165	165	165	154	0	5 23	174	14 03	126	48
20	✓	✓		165	167	168	169	172	172	169	166	159	154	158	161	164	160	157	152	148	152	159	163	164	165	165	164	162	0	5 30	173	16 20	147	26
21	✓			163	165	166	169	172	172	170	169	168	167	166	159	159	157	146	138	141	153	162	165	164	162	161	163	162	0	5 20	172	15 56	136	36
22				164	164	165	168	171	171	171	173	164	168	162	154	147	137	133	129	134	147	158	161	161	160	162	163	158	0	7 20	176	15 46	126	50
23				163	165	168	170	172	172	176	179	169	172	163	149	134	137	138	142	146	150	156	158	162	163	162	163	160	1	7 22	180	12 33	132	48
24				164	166	168	169	171	175	178	180	180	188	173	167	162	148	137	140	143	152	158	163	165	164	163	162	164	1	9 09	192	14 03	136	56
25				162	165	168	169	172	172	167	158	150	147	143	141	137	137	140	136	143	151	162	165	164	163	160	161	156	0	5 23	173	15 10	134	39
26				164	166	165	166	171	171	170	174	176	176	174	173	165	164	161	153	148	156	160	165	167	167	165	165	166	1	9 08	178	16 31	146	32
27				166	167	170	171	174	174	166	161	154	151	149	153	152	150	143	140	143	150	161	165	165	165	165	165	159	0	5 36	175	14 57	139	36
28				165	165	168	169	172	172	171	170	171	175	176	179	175	170	165	159	161	165	165	167	167	167	167	165	169	0	11 00	181	15 45	157	24
29	✓	✓		165	167	169	171	175	174	168	166	167	168	165	172	159	158	155	150	150	156	165	169	169	169	169	168	165	0	5 20	175	15 40	148	27
30	✓	✓		167	168	171	173	176	175	161	151	149	146	144	148	153	154	152	149	151	157	161	167	169	168	167	166	160	0	5 15	178	10 16	144	34
31	✓			167	168	170	173	176	178	177	175	177	179	177	171	168	167	162	158	157	163	168	170	170	168	167	167	170	0	9 16	180	16 10	156	24
MEANS ALL DAYS				167	168	170	172	174	174	174	173	167	164	162	159	154	151	148	145	147	155	163	166	166	166	166	166	163						41
MEANS TEN DAYS ✱				166	168	169	171	174	174	170	166	162	159	158	156	154	154	151	147	147	154	163	166	166	166	166	166	162						33
MEANS FIVE DAYS (G. M. T.) †				166	168	169	171	173	173	168	164	159	157	155	157	155	155	152	148	148	154	163 162	166 166	166	167	167	166	162						
MEANS FIVE DAYS (G. M. T.) ‡				169	169	172	173	175	177	180	181	176	168	167	163	155	149	144	143	147	155	164	165	166	167	166	168	165						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 99

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1937

NOVEMBER 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1	✓			166	167	171	173	176	175	174	172	173	172	171	172	172	169	162	156	156	161	166	169	165	162	162	163	168	0	5	10	177	15	50	154	23
2				165	165	166	169	172	172	170	168	159	155	156	157	161	152	147	144	143	152	159	165	164	164	165	165	161	0	5	25	173	16	08	141	32
3				165	167	170	172	175	172	172	178	179	176	175	173	164	161	150	142	144	154	164	168	168	167	167	166	166	0	9	00	179	15	20	141	38
4		✓		167	169	170	172	174	175	175	175	176	174	167	160	148	144	136	136	139	147	157	163	164	164	163	162	162	0	5	25	177	14	46	133	44
5	✓	✓		161	164	166	170	170	169	168	171	173	174	169	170	175	172	156	143	148	155	163	167	167	166	166	164	165	0	12	50	177	15	30	142	35
6		✓		164	165	168	170	171	170	174	181	186	183	175	174	174	175	165	157	154	156	164	169	169	168	166	166	169	0	9	00	188	16	10	154	34
7				166	168	170	172	174	170	171	179	184	176	169	169	157	153	150	150	151	156	162	161	168	168	164	163	165	1	8	30	185	16	54	149	36
8				163	165	167	169	170	171	167	164	163	164	165	164	156	156	162	153	146	150	164	169	166	167	167	165	163	1	5	26	173	16	50	144	29
9				165	168	169	170	172	170	170	170	169	158	158	158	154	148	140	139	147	157	166	167	168	168	168	167	162	0	4	32	172	15	30	138	34
10	✓			166	167	169	170	171	171	175	180	185	185	189	188	178	169	164	148	146	156	163	168	169	169	169	169	170	0	10	40	190	16	10	143	47
11				168	169	170	170	171	172	172	177	179	175	174	169	165	162	157	153	151	157	164	169	169	169	169	170	168	0	8	28	181	16	45	150	31
12	✓			168	168	168	171	171	171	166	164	164	162	161	161	162	165	162	161	161	164	165	166	168	168	167	166	165	0	4	30	172	14	53	159	13
13	✓			165	165	165	166	168	169	168	167	165	164	161	158	150	150	150	147	148	157	162	166	165	165	165	165	161	0	5	15	171	16	00	147	24
14	✓			165	165	166	168	171	169	166	166	170	172	177	177	170	165	158	148	142	150	162	166	168	168	168	167	165	0	11	03	179	16	30	140	39
15	✓	✓		166	166	168	168	169	167	164	162	166	164	163	167	167	165	161	153	150	156	161	166	166	167	166	165	164	0	11	50	171	16	06	148	23
16	✓	✓		165	165	168	168	168	168	161	157	157	153	158	165	167	172	172	164	154	156	160	165	166	166	166	167	164	0	14	10	174	9	40	152	22
17				164	164	167	171	171	167	160	153	148	143	145	145	147	157	160	158	151	152	157	161	161	163	164	165	158	0	4	30	172	9	40	142	30
18			✓	164	164	164	165	167	167	169	181	180	164	167	164	163	169	173	164	152	156	161	162	161	160	162	162	165	1	8	00	189	16	54	150	39
19			✓	162	163	164	166	169	164	169	171	161	168	166	175	164	164	161	162	161	158	159	163	163	160	160	160	164	1	7	46	178	5	55	155	23
20				162	164	166	168	171	174	179	176	166	160	145	148	160	161	160	156	154	152	156	160	161	162	163	163	162	1	7	00	180	10	27	143	37
21				163	164	166	166	167	170	174	174	172	164	160	159	156	155	160	160	158	158	159	164	165	163	161	162	163	0	6	38	176	13	30	150	26
22				162	163	166	167	169	176	184	194	180	165	154	141	134	137	139	148	152	156	161	163	163	163	162	163	161	1	7	40	197	12	33	131	66
23			✓	164	164	165	168	172	176	174	174	176	167	167	165	152	145	151	156	156	156	157	162	163	163	164	163	163	1	8	04	179	13	20	141	38
24				164	163	165	166	169	169	165	159	157	162	162	156	144	137	134	137	141	149	156	165	166	167	167	166	158	0	5	15	171	14	32	133	38
25	✓			166	166	168	169	170	168	164	162	159	158	159	158	152	145	135	137	145	151	157	164	166	166	165	163	159	0	4	49	171	14	57	131	40
26	✓			164	165	167	169	172	170	169	169	172	168	165	157	151	146	141	145	148	151	159	166	167	168	167	166	162	0	5	20	173	14	50	141	32
27				164	164	165	166	168	169	172	178	176	176	174	169	165	162	162	154	153	155	159	163	164	164	164	165	165	0	7	50	179	16	10	150	29
28				166	165	165	167	168	168	168	168	165	164	167	172	164	159	154	149	147	152	156	161	162	162	164	164	162	0	11	37	174	16	00	146	28
29			✓	165	165	167	168	169	169	171	178	181	197	198	184	175	175	161	156	152	155	164	166	166	167	166	166	170	2	10	14	207	16	43	150	57
30			✓	166	164	166	168	168	164	167	170	167	169	169	172	172	175	164	149	139	147	159	165	167	167	167	166	164	0	11	04	176	16	10	138	38
31																																				
MEANS ALL DAYS				165	165	167	169	170	170	170	171	170	168	166	165	161	159	155	151	150	154	161	165	166	165	165	165	164								34
MEANS TEN DAYS *				165	166	168	169	171	170	168	167	168	167	167	167	164	162	156	150	150	156	162	166	167	166	166	166	164								30
MEANS FIVE DAYS † (G. M. T.)				165	166	168	170	170	170	168	169	172	170	166	167	166	166	158	151	149	154	161 161	166 166	167	166	166	165	165							
MEANS FIVE DAYS ‡ (G. M. T.)				164	164	165	167	169	168	170	175	173	173	173	172	165	166	162	157	152	154	160	163	163	163	164	164	165								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 100

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				163	164	166	167	168	168	171	180	180	171	165	156	151	152	148	147	147	155	158	162	163	164	163	163	162	1	8 10	185	16 00	146	39
2				163	163	165	167	168	167	174	186	184	179	173	167	164	159	152	144	145	150	159	164	163	162	161	163	164	0	8 00	187	15 55	143	44
3	✓			162	163	166	167	169	167	174	182	182	178	171	167	166	166	166	163	163	163	163	164	163	163	163	163	167	0	8 10	186	18 10	161	25
4	✓	✓		164	164	164	168	171	172	174	178	172	166	166	158	152	155	154	151	151	155	161	166	167	167	167	167	164	0	7 40	179	16 14	150	29
5	✓			166	166	166	167	170	171	176	181	179	174	171	168	168	156	164	163	160	159	160	167	167	165	165	166	167	0	7 40	182	13 27	151	31
6				167	168	168	168	168	167	166	172	169	163	163	165	160	155	153	148	148	154	161	166	165	165	165	165	163	0	7 50	172	16 10	144	28
7				167	166	166	167	168	169	174	180	173	161	156	154	148	153	167	166	169	164	164	168	165	166	166	167	165	1	7 50	180	12 24	146	34
8				166	166	169	169	170	170	176	180	176	166	166	171	161	162	165	162	158	158	163	166	168	166	166	166	167	0	7 36	181	17 20	157	24
9				166	168	168	169	171	171	177	185	181	169	157	152	146	147	153	156	154	153	157	164	165	166	165	164	164	0	7 40	187	12 17	145	42
10				165	165	165	168	169	167	167	171	163	157	158	158	155	160	159	157	159	158	164	167	168	167	168	167	164	0	7 11	174	12 22	154	20
11				165	166	168	170	171	169	171	178	185	183	182	171	163	158	157	158	156	157	159	164	167	168	169	169	168	0	9 13	187	16 40	154	33
12	✓			170	169	170	170	170	169	170	176	183	178	173	167	164	166	164	151	144	150	159	166	167	168	167	167	167	0	8 47	184	16 34	142	42
13		✓		167	167	170	170	173	172	174	179	177	171	167	171	173	173	175	172	170	163	166	167	169	170	170	170	171	0	7 52	181	17 37	163	18
14	✓	✓		170	170	170	171	173	172	179	190	191	185	178	167	162	164	164	158	157	162	164	167	168	168	168	167	170	0	8 10	193	16 30	156	37
15	✓			167	166	167	169	171	171	168	172	179	179	176	163	157	163	159	152	148	154	161	164	164	166	166	168	165	0	8 10	181	16 30	147	34
16	✓			167	168	169	170	170	168	165	166	162	156	148	146	138	128	136	152	155	153	158	164	165	165	166	166	158	0	4 50	171	13 30	127	44
17				165	165	165	166	167	167	165	167	171	170	170	170	165	166	163	156	153	153	158	163	163	162	162	162	164	0	9 00	173	17 30	153	20
18			✓	162	165	165	166	169	164	169	172	171	165	163	161	162	181	182	160	156	158	162	163	162	163	162	162	165	1	13 53	194	15 57	154	40
19			✓	161	160	164	165	168	167	173	181	182	181	176	166	162	165	157	152	148	149	159	165	164	164	164	162	165	1	8 17	184	16 50	146	38
20			✓	164	164	165	166	171	172	175	178	168	155	147	135	126	134	144	152	164	164	161	165	167	168	168	168	160	0	7 00	182	12 36	122	60
21				167	167	168	169	172	173	177	180	177	172	167	156	156	175	190	180	172	163	160	165	167	165	166	167	170	0	14 30	193	11 53	151	42
22				168	168	168	168	171	172	170	168	164	160	150	142	139	152	157	158	159	163	166	169	169	169	168	168	163	0	5 18	173	12 10	135	38
23			✓	168	169	169	169	170	178	182	178	180	178	169	145	138	146	154	158	161	161	162	163	163	163	165	166	165	1	6 40	186	12 33	135	51
24			✓	167	166	166	169	171	175	183	195	198	193	179	163	158	159	153	150	154	157	161	165	165	165	166	166	168	0	8 20	200	14 58	146	54
25				165	165	167	167	169	169	174	183	191	187	182	166	153	153	151	148	146	152	155	163	165	166	163	163	165	0	8 19	194	16 00	143	51
26				161	162	165	167	167	169	170	179	181	171	163	155	149	149	142	133	138	149	157	164	166	166	166	166	161	0	8 00	184	15 40	131	53
27	✓	✓		165	165	166	166	170	172	174	177	172	159	153	147	150	155	155	147	144	149	154	163	165	166	166	166	161	0	7 15	177	16 16	143	34
28	✓	✓		165	163	166	168	170	167	166	162	155	146	138	129	131	145	147	145	146	160	161	163	166	166	164	165	156	0	4 30	170	12 10	126	44
29	✓			166	166	166	167	170	170	173	179	184	184	181	175	167	173	170	160	154	157	158	163	166	167	166	166	169	0	9 02	186	16 30	152	34
30				166	166	166	166	165	166	170	173	163	163	170	176	182	176	161	147	148	147	156	162	164	164	164	164	164	0	12 28	183	15 40	145	38
31				162	163	166	167	169	169	169	170	170	170	162	163	171	177	183	178	170	166	163	165	164	164	162	161	168	1	14 15	186	10 42	157	29
MEANS ALL DAYS				165	166	167	168	170	170	172	177	176	171	166	160	156	159	160	156	155	157	160	165	165	166	165	165	165						37
MEANS TEN DAYS ✲				166	166	167	168	170	170	172	176	176	170	166	159	156	157	158	154	152	156	160	165	166	166	166	166	165						35
MEANS FIVE DAYS (G. M. T.) †				166	166	167	169	171	171	173	177	173	165	160	154	154	158	159	155	154	158	160 161	165 165	166	167	166	166	164						
MEANS FIVE DAYS (G. M. T.) ‡				164	165	166	167	170	171	176	181	180	174	167	154	149	157	158	154	157	158	161	165	164	164	164	164	164						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

DECEMBER 1937

TABLE 101

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1938

JANUARY 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			664	658	659	660	661	659	650	655	671	680	691	696	677	661	653	653	646	646	655	663	663	662	661	654	662	0	11 43	700	15 57	642	58
2	✓			652	649	649	650	650	651	640	646	664	671	689	682	683	678	690	682	670	663	651	656	660	662	661	659	663	0	10 05	697	6 20	638	59
3	✓			654	650	651	650	651	651	643	651	663	678	683	685	671	662	653	641	640	648	650	653	659	659	653	655	656	0	10 58	690	15 32	636	54
4				656	650	648	647	648	642	630	639	651	671	675	695	690	683	690	690	662	656	660	664	664	663	663	661	662	1	11 40	700	6 10	624	76
5	✓	✓		659	652	651	652	650	647	640	652	671	685	702	702	693	683	669	653	651	648	648	657	662	661	660	655	663	0	11 10	708	6 30	636	72
6				652	651	651	651	655	651	641	651	672	692	711	718	704	671	670	661	662	661	658	661	660	662	662	663	666	0	10 46	724	6 30	639	85
7				661	656	652	651	653	652	642	653	666	681	683	689	692	709	699	666	643	651	658	667	674	665	651	649	665	1	13 08	713	6 40	639	74
8				649	649	640	642	651	657	651	664	690	691	677	661	661	657	652	650	656	662	659	663	665	668	673	665	661	0	9 00	698	2 07	637	61
9				661	657	656	654	653	653	640	651	672	681	695	701	683	670	661	649	650	651	653	659	662	659	659	659	662	0	11 23	708	6 33	637	71
10	✓	✓		653	652	651	651	652	650	636	643	659	668	672	679	679	672	671	671	666	662	656	658	661	661	660	657	660	0	11 30	681	6 20	633	48
11	✓	✓		653	652	651	650	650	649	636	642	652	663	686	700	694	681	678	664	657	649	651	661	663	663	662	661	661	0	11 40	703	6 40	634	69
12				659	653	645	648	644	643	633	647	662	666	688	711	723	703	668	663	669	669	661	662	673	675	676	674	667	1	12 28	733	6 30	632	101
13				653	650	643	643	634	650	644	654	666	673	690	691	694	697	693	684	663	673	668	665	666	664	661	657	666	1	10 37	703	4 03	630	73
14	✓	✓		653	650	646	644	651	649	643	658	658	656	671	685	672	663	691	691	674	672	663	655	664	665	663	662	662	0	15 00	699	6 16	639	60
15	✓			654	651	643	645	648	643	633	644	664	675	689	705	713	699	676	668	664	668	664	662	663	662	658	654	664	0	12 12	730	6 30	628	102
16			✓	646	641	643	640	641	636	633	661	691	702	725	734	712	703	680	674	662	665	680	664	670	666	657	651	670	1	11 03	752	6 10	624	128
17			✓	639	650	633	636	642	651	640	652	703	740	744	712	686	682	691	673	670	671	665	675	678	673	673	674	673	2	9 30	779	4 10	621	158
18				668	662	662	664	663	659	652	672	691	720	749	757	756	751	721	682	660	659	658	665	669	670	673	671	686	1	10 46	778	6 22	650	128
19				667	662	660	656	657	659	652	652	673	703	716	718	708	704	683	667	658	650	651	655	661	659	658	656	670	1	10 42	729	17 37	647	82
20				651	653	658	661	660	655	634	643	672	692	710	722	733	752	742	712	670	657	651	661	665	660	662	660	676	1	13 16	765	6 44	631	134
21				661	662	662	651	642	645	622	625	652	670	692	698	713	703	684	680	671	667	663	682	687	697	681	661	670	1	12 06	719	6 56	613	106
22			✓	632	610	625	604	555	583	611	677	710	750	744	746	744	713	697	666	655	653	659	665	672	672	672	667	666	2	11 00	774	4 37	468	306
23				663	662	667	667	662	661	643	642	659	680	697	697	693	689	679	671	668	664	652	651	658	662	668	667	668	0	10 48	702	7 16	637	65
24				670	673	670	672	673	670	665	682	698	704	708	703	691	692	686	666	644	640	643	659	670	666	671	671	674	1	10 38	714	17 06	633	81
25			✓	670	664	664	664	665	662	650	650	664	682	669	687	711	784	776	762	743	750	752	713	701	712	706	702	700	2	13 23	860	10 10	641	219
26			✓	692	680	672	665	671	665	666	674	681	692	704	699	703	705	698	668	644	644	653	662	665	666	666	663	675	2	13 37	713	16 58	640	73
27				660	658	654	653	659	659	652	658	679	692	694	687	692	685	680	672	666	663	662	662	664	665	665	661	668	0	10 20	706	6 55	647	59
28	✓			657	655	657	653	654	657	654	672	692	692	695	698	698	702	707	693	671	665	661	662	664	662	662	661	673	0	14 33	712	4 24	652	60
29				661	654	653	658	656	652	642	652	672	683	686	688	683	672	663	669	671	677	666	670	671	671	666	662	667	0	11 38	691	6 30	639	52
30	✓	✓		658	654	653	654	657	653	645	654	675	692	697	701	700	712	718	704	682	662	652	662	663	664	662	662	672	0	14 24	720	6 30	643	77
31				660	654	654	652	654	657	642	648	663	680	711	701	672	676	699	711	689	669	672	680	674	671	670	666	672	1	15 02	723	6 38	635	88
MEANS ALL DAYS				658	654	652	651	650	651	642	654	673	687	698	702	698	694	688	676	664	662	661	664	668	667	666	663	668						93
MEANS TEN DAYS *				656	652	651	651	652	651	642	652	667	676	688	693	688	681	681	672	662	658	655	659	662	662	660	658	664						66
MEANS FIVE DAYS (G. M. T.) †				655	652	650	650	652	650	640	650	663	673	686	693	688	682	685	677	666	659	661 654	663 659	665	664	662	659	664						
MEANS FIVE DAYS (G. M. T.) ‡				656	649	647	642	635	639	640	663	690	713	717	716	711	717	708	689	675	677	682	676	678	681	675	668	677						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 102

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1938

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				658	661	653	652	650	648	642	653	672	683	701	708	717	703	682	674	659	647	648	659	666	669	664	665	668	0	12 16	721	6 37	639	82
2				662	662	657	662	662	662	651	653	672	681	685	700	702	692	671	653	650	650	651	653	659	662	664	665	666	0	12 26	705	17 03	643	62
3				664	662	662	663	662	654	642	642	662	681	708	724	723	714	697	675	651	650	650	659	660	662	661	657	670	0	12 51	740	6 57	640	100
4				659	660	657	660	660	653	637	639	665	682	696	697	695	698	692	673	656	650	644	651	661	655	658	660	665	0	10 30	705	7 00	632	73
5	✓			659	656	656	653	653	654	647	644	654	671	675	671	677	683	680	673	667	654	651	657	662	663	663	652	661	0	13 30	686	7 04	642	44
6			✓	646	650	650	652	645	658	642	642	653	666	685	703	691	711	690	680	674	668	663	661	667	667	670	672	667	1	13 50	730	6 42	634	96
7				664	661	662	658	656	652	626	613	620	643	642	660	672	693	702	702	692	678	662	660	662	661	660	654	661	1	14 40	705	10 46	599	106
8			✓	651	643	640	642	650	650	642	642	645	661	684	712	709	698	695	703	689	672	664	668	672	666	663	662	668	1	12 46	723	2 54	636	87
9			✓	660	652	650	650	652	643	632	636	649	660	657	684	687	699	688	668	653	643	649	653	661	660	660	663	659	1	13 20	706	6 46	629	77
10			✓	657	642	642	650	649	640	614	611	632	650	672	684	691	688	691	682	663	652	652	656	657	661	660	655	656	1	12 20	695	6 59	604	91
11				662	642	649	642	634	644	636	635	649	662	677	687	713	712	693	682	662	651	650	652	657	658	657	655	661	1	12 33	727	4 29	630	97
12				650	648	649	648	644	644	632	629	640	641	644	647	645	655	662	658	655	659	653	661	666	664	660	654	650	0	20 20	668	7 00	624	44
13				650	647	645	645	644	647	634	640	662	680	700	704	697	700	699	685	672	659	649	652	661	660	657	656	664	1	11 27	715	6 48	629	86
14			✓	647	640	640	650	646	641	638	637	662	673	682	698	698	710	692	682	671	663	660	661	662	663	663	662	664	1	13 10	719	7 10	630	89
15	✓	✓		657	653	652	652	652	650	642	643	662	683	700	704	704	694	682	670	657	649	647	654	662	662	660	653	664	0	11 50	712	6 40	640	72
16	✓	✓		652	650	648	649	652	654	653	661	670	681	693	702	708	713	712	692	670	649	643	652	654	654	654	652	667	0	13 07	719	18 30	642	77
17	✓			650	649	646	652	656	658	652	653	669	690	707	713	705	690	672	662	657	652	644	651	653	653	652	652	664	0	11 30	714	18 30	643	71
18	✓			651	650	647	644	652	648	625	627	643	657	679	692	698	696	692	685	678	662	649	649	653	653	652	651	660	0	11 50	703	6 50	621	82
19	✓	✓		650	649	648	649	651	651	641	638	642	653	663	668	671	672	669	659	650	644	643	648	652	652	652	652	653	0	13 14	674	6 44	637	37
20	✓	✓		651	647	650	653	655	654	643	642	654	672	680	680	684	682	672	663	657	652	649	653	653	653	652	650	658	0	12 48	687	7 00	639	48
21	✓			648	648	648	646	644	650	640	638	650	660	671	684	694	696	693	676	662	654	647	650	652	653	652	652	659	0	14 14	700	7 00	633	67
22	✓	✓		652	652	650	649	651	651	642	644	658	665	666	664	663	665	662	655	655	652	648	652	654	660	656	653	655	0	10 12	671	7 00	640	31
23				650	643	643	644	648	645	640	645	663	672	680	673	682	681	672	667	656	644	647	653	656	655	654	654	657	1	12 55	692	7 03	638	54
24	✓			654	649	647	651	655	653	641	633	651	660	672	681	683	680	674	663	654	647	651	653	653	656	654	653	657	0	12 10	685	7 02	631	54
25				652	652	652	652	652	649	641	640	644	662	665	670	660	671	664	656	660	656	657	660	655	655	656	656	656	1	13 54	680	7 24	633	47
26				656	648	648	650	649	649	642	643	654	673	679	676	681	683	682	679	672	663	657	655	653	654	652	652	660	0	13 34	692	7 00	636	56
27				651	651	651	650	650	651	651	652	664	665	679	687	688	673	664	653	645	652	655	654	654	653	653	657	658	0	11 30	693	16 24	643	50
28				654	645	652	653	653	649	641	644	662	680	690	692	685	690	678	664	654	644	651	653	663	660	661	652	661	1	11 07	699	6 50	639	60
29																																		
30																																		
31																																		
MEANS ALL DAYS				654	650	650	651	651	650	640	640	654	668	680	688	690	691	683	673	662	654	651	655	659	659	658	656	661						69
MEANS TEN DAYS ✻				652	650	649	650	652	652	643	642	655	669	681	686	689	687	681	670	661	652	647	652	655	656	655	652	660						58
MEANS FIVE DAYS † (G. M. T.)				652	650	650	650	652	652	644	646	657	671	680	684	686	685	679	668	658	649	649 646	652 652	656	657	656	654	660						
MEANS FIVE DAYS ‡ (G. M. T.)				652	645	644	649	648	646	634	634	648	662	676	696	695	701	691	683	670	660	658	658	664	662	661	657	662						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 103

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1938 — MARCH 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	653	645	650	654	653	651	640	634	655	672	675	692	685	681	671	653	645	645	654	655	654	657	658	657	658	1	11 46	699	7 18	629	70
2				654	651	650	644	643	647	643	653	674	686	697	693	682	671	662	652	648	648	652	652	652	653	656	654	659	0	10 21	702	3 55	641	61
3				656	652	651	651	651	650	643	644	662	675	685	690	677	669	660	652	650	648	648	653	653	653	654	654	658	0	11 00	695	6 40	642	53
4				653	651	650	648	649	647	639	638	664	688	708	720	718	712	683	653	643	643	646	653	656	661	661	656	664	0	11 56	724	7 00	633	91
5			✓	655	654	653	647	653	648	634	634	653	664	669	674	685	664	662	651	644	643	650	659	657	652	659	661	655	1	12 20	712	6 59	628	84
6				661	658	663	663	656	654	634	630	638	655	674	688	697	684	658	650	642	643	643	653	656	658	660	659	657	0	12 54	704	7 11	626	78
7				654	654	654	654	654	649	634	623	636	662	673	683	686	682	674	661	646	640	643	646	651	655	655	654	655	0	12 04	696	7 20	618	78
8	✓			653	653	653	652	652	649	634	632	640	652	664	673	679	682	680	667	652	640	641	649	652	653	656	654	655	0	14 00	683	7 06	628	55
9	✓			653	652	652	653	652	650	636	622	622	642	656	671	670	662	653	643	635	635	641	646	653	653	654	653	648	0	11 49	672	7 30	620	52
10	✓	✓		651	650	648	648	651	645	640	640	643	654	665	666	671	669	667	664	654	643	641	649	652	653	652	651	653	0	12 50	674	7 21	634	40
11				648	645	646	646	650	646	637	631	633	641	648	650	652	657	655	653	646	642	637	644	653	657	657	652	647	0	13 38	661	7 08	630	31
12				650	653	651	652	651	644	623	623	641	664	662	663	672	674	672	663	652	641	642	649	650	652	650	647	652	1	13 41	680	7 31	618	62
13	✓			647	647	647	648	650	643	623	614	622	638	649	649	648	650	653	652	643	640	642	647	650	654	654	648	644	0	14 32	659	7 46	613	46
14				645	644	641	643	646	646	644	644	670	676	683	690	681	673	656	653	652	645	648	653	655	655	655	651	656	0	11 42	695	7 08	635	60
15				647	648	650	650	650	644	632	633	641	662	675	685	683	673	663	653	641	640	642	644	650	651	651	651	652	0	11 46	693	7 20	624	69
16	✓	✓		648	647	648	649	650	646	633	629	642	660	666	671	673	674	669	653	647	642	641	649	650	652	650	650	652	0	13 23	677	7 28	624	53
17				645	645	645	645	650	647	639	643	653	670	683	689	692	681	662	647	636	635	642	645	649	651	650	647	654	0	12 26	694	16 48	632	62
18	✓	✓		644	643	644	643	643	642	624	624	640	662	677	683	692	692	673	654	651	643	640	645	647	648	647	645	652	0	13 24	694	6 53	621	73
19	✓	✓		642	643	644	645	647	643	633	633	645	671	687	697	692	681	666	652	642	643	643	645	648	649	650	649	654	0	11 48	699	6 58	631	68
20	✓	✓		643	643	644	644	644	642	633	634	649	665	684	693	690	681	664	651	642	635	641	644	646	649	649	645	652	0	11 54	694	6 40	632	62
21				644	643	643	644	644	642	633	632	642	657	671	690	692	681	664	662	660	653	660	657	658	654	652	648	655	0	11 53	701	6 55	630	71
22			✓	640	616	638	652	653	654	646	657	670	675	691	687	702	694	682	665	664	660	643	632	651	649	653	654	660	1	12 41	710	1 38	598	112
23			✓	655	654	654	663	664	661	660	661	664	665	671	680	683	673	654	653	651	652	650	652	653	651	649	645	659	1	12 55	693	23 00	641	52
24			✓	646	642	636	651	660	653	662	676	689	702	711	713	704	686	670	659	650	641	644	651	647	651	652	653	665	1	11 17	721	2 41	633	88
25				652	651	651	652	652	652	647	641	645	654	668	673	673	664	658	662	660	653	652	652	642	653	654	654	655	0	12 09	679	20 51	633	46
26				654	653	653	653	654	660	656	653	664	664	683	691	691	687	674	666	653	650	652	651	652	650	650	651	661	1	11 55	697	17 28	646	51
27				652	652	653	653	656	656	650	638	630	624	622	629	641	654	660	653	647	644	645	645	646	649	650	650	646	0	14 28	661	10 18	621	40
28				651	652	653	653	658	661	663	664	670	671	672	673	672	662	652	649	643	639	642	645	648	651	651	650	656	0	11 18	675	17 23	637	38
29				650	649	650	651	652	652	644	635	632	634	637	654	658	653	642	663	662	653	645	645	650	651	650	644	648	1	13 31	665	8 31	631	34
30	✓			647	648	650	651	653	652	653	656	661	664	671	681	684	684	680	672	663	651	644	644	644	645	649	645	658	0	13 08	687	18 58	643	44
31	✓			645	645	647	650	650	650	644	644	654	664	680	675	673	671	655	652	652	645	644	644	645	649	648	645	653	0	10 38	683	7 08	642	41
MEANS ALL DAYS				650	648	649	650	651	649	641	639	650	662	673	680	681	675	664	656	649	644	645	648	651	652	653	651	655						60
MEANS TEN DAYS ✱				647	647	648	648	649	646	635	633	642	657	670	676	677	675	666	656	648	642	642	646	649	650	651	648	652						53
MEANS FIVE DAYS † (G. M. T.)				646	645	646	646	647	644	633	632	644	662	676	682	684	679	668	655	647	641	642 641	645 646	649	650	650	649	653						
MEANS FIVE DAYS ‡ (G. M. T.)				650	642	646	653	657	653	648	652	666	676	683	689	692	680	668	656	651	648	648	649	656	655	655	651	659						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 104

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1938 — APRIL 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			644	644	647	649	651	648	651	655	672	685	689	682	674	662	647	643	642	640	642	643	643	644	645	643	654	0	10 58	695	17 18	639	56
2	✓	✓		642	642	644	645	644	643	633	634	642	650	663	667	671	668	660	655	653	644	642	643	643	643	646	643	648	0	12 23	673	6 38	631	42
3				644	643	643	644	643	639	634	639	644	656	675	685	693	679	671	660	652	648	647	647	646	647	647	644	653	0	12 08	699	6 51	632	67
4	✓			646	644	644	645	646	649	652	669	672	672	683	681	682	680	675	663	652	647	647	645	646	645	645	645	657	0	10 40	691	2 48	642	49
5	✓	✓		646	646	646	647	650	652	660	663	664	663	667	670	667	680	672	663	653	643	643	643	644	645	643	643	655	0	12 55	682	17 28	642	40
6				641	644	649	642	646	660	672	688	691	694	692	694	695	686	671	651	642	643	650	654	655	654	652	650	663	1	11 54	700	3 33	637	63
7				648	643	650	649	651	649	641	634	644	644	663	671	683	684	673	662	650	643	645	652	650	649	647	645	653	1	13 04	690	6 43	632	58
8				644	644	647	650	650	653	654	661	661	658	656	655	661	664	662	652	645	643	643	643	643	644	644	643	651	0	13 38	669	17 28	642	27
9				642	643	646	647	646	650	653	657	656	644	660	664	663	663	661	651	644	642	644	644	648	648	642	642	650	0	11 34	672	9 38	640	32
10				642	642	647	650	645	649	642	642	643	648	654	660	672	682	684	673	656	644	642	643	643	643	643	642	651	0	14 22	689	6 55	638	51
11				642	644	643	643	644	652	652	657	662	659	649	659	652	660	659	653	651	649	646	647	644	642	643	643	650	1	11 43	672	11 07	637	35
12				642	642	643	643	644	651	660	670	667	672	671	672	661	662	659	652	641	637	641	642	645	649	645	644	652	1	11 10	680	17 16	634	46
13			✓	645	646	646	646	650	652	654	643	640	651	651	654	640	644	634	632	634	644	652	653	654	654	661	653	647	1	11 02	683	15 38	623	60
14			✓	634	636	633	635	652	655	660	674	675	683	673	655	651	655	654	645	641	637	642	639	643	645	646	645	650	1	7 57	711	3 08	622	89
15				647	650	652	659	661	662	661	656	661	669	671	672	662	655	656	654	647	649	645	648	650	651	647	646	655	0	9 55	677	18 38	644	33
16			✓	645	566	580	688	693	683	682	709	717	707	687	680	689	684	682	672	660	652	652	652	652	654	653	654	666	2	7 22	743	1 35	489	254
17			✓	653	653	653	653	655	662	664	672	685	709	720	716	704	693	682	671	655	654	653	650	651	651	651	650	669	1	10 58	727	19 00	645	82
18				650	649	647	650	651	655	667	680	683	684	681	680	674	672	665	653	644	643	646	645	646	646	645	645	658	0	8 54	690	17 12	642	48
19				645	650	651	652	657	662	672	681	685	691	687	680	671	668	668	658	650	651	650	644	644	644	644	644	660	0	9 48	693	22 18	643	50
20	✓			643	643	645	651	652	652	651	651	653	659	664	681	683	674	670	657	647	647	643	643	645	644	642	643	653	0	12 18	686	22 20	641	45
21	✓			647	647	647	649	651	652	651	650	650	651	651	651	665	673	676	666	651	644	645	652	650	654	647	643	653	0	14 15	678	23 20	641	37
22				649	649	649	650	649	652	652	655	642	634	632	650	661	651	644	644	640	641	635	637	644	646	643	643	646	0	12 30	670	10 09	625	45
23			✓	647	645	639	633	637	642	649	658	649	650	660	662	671	663	666	663	655	650	650	650	651	650	645	644	651	1	12 21	678	3 50	624	54
24				649	648	649	652	657	660	653	647	635	632	632	633	641	633	632	635	637	642	647	645	645	646	646	644	643	0	5 56	664	14 51	630	34
25				648	648	650	653	655	661	664	662	662	660	665	665	664	667	667	661	660	655	652	650	649	652	650	645	657	0	10 49	673	0 02	643	30
26				649	651	651	652	653	655	655	643	639	632	623	631	644	654	660	660	655	650	644	643	644	645	646	645	647	0	6 42	663	10 29	622	41
27	✓			646	646	646	651	653	654	661	662	655	653	655	664	670	680	677	673	658	646	644	643	643	645	645	643	655	0	13 58	683	19 43	642	41
28	✓	✓		645	648	648	650	652	653	653	654	651	646	646	646	643	641	645	651	651	648	644	641	643	644	643	644	647	0	7 15	656	13 28	636	20
29	✓	✓		645	647	647	650	651	652	655	662	657	659	663	666	663	665	663	655	653	645	639	637	641	643	643	641	652	0	11 28	670	18 58	636	34
30	✓	✓		643	644	645	644	645	646	654	656	653	655	664	663	655	654	663	666	655	651	643	643	642	643	642	641	650	0	15 11	673	22 58	638	35
31																																		
MEANS ALL DAYS				645	643	644	649	651	654	655	659	660	662	665	667	668	667	663	656	649	646	645	645	646	647	646	645	653						53
MEANS TEN DAYS ✱				645	645	646	648	650	650	652	656	657	659	664	667	667	668	665	659	652	646	643	643	644	645	644	643	652						40
MEANS FIVE DAYS † (G. M. T.)				644	645	646	647	648	649	651	654	653	655	661	662	660	662	661	658	653	646	643 643 642 642	642 641	643	644	644	643	651						
MEANS FIVE DAYS ‡ (G. M. T.)				645	629	630	651	657	659	662	671	673	680	678	673	671	668	664	657	649	647	650	646	649	651	650	648	657						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 105

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1938

MAY 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓	✓		643	644	645	645	646	646	645	642	638	634	636	649	673	670	666	671	655	645	641	635	640	642	642	643	647	0	12	39	10	18	48
2				645	646	651	653	654	656	660	654	652	640	649	671	693	689	673	660	649	644	643	641	642	642	640	641	654	0	12	43	9	42	60
3				639	643	645	646	653	651	649	654	657	666	673	664	664	660	653	652	651	653	655	655	655	654	653	643	654	0	10	30	0	27	49
4			✓	647	651	647	643	651	655	664	670	681	683	683	643	660	662	651	642	641	643	643	641	643	646	643	647	653	1	10	23	11	08	81
5				651	651	650	650	653	653	652	652	646	645	651	664	673	683	675	665	660	653	645	647	646	650	647	643	654	0	13	26	8	58	44
6				642	642	646	645	650	655	651	642	634	624	627	652	668	670	670	654	640	643	643	641	643	644	643	642	646	0	13	48	9	51	56
7	✓			644	646	643	645	645	645	644	645	642	639	638	640	636	653	656	653	648	645	643	641	641	642	643	639	644	0	14	02	12	10	28
8	✓	✓		638	643	644	643	647	651	657	655	650	644	644	659	666	663	669	662	648	643	642	642	640	641	642	639	649	0	14	13	0	46	34
9	✓			639	642	642	643	646	651	653	641	624	618	621	632	632	641	648	653	649	644	641	645	651	646	643	640	641	0	6	08	9	18	42
10				637	643	643	644	647	653	655	657	644	633	631	632	632	642	656	654	650	645	644	642	644	643	644	643	644	0	7	04	11	25	37
11			✓	640	643	643	641	644	654	665	660	651	636	632	636	671	673	673	669	674	666	654	663	663	660	657	654	655	2	12	55	11	48	96
12			✓	645	644	661	676	676	678	700	712	708	702	693	689	685	694	691	681	663	653	655	663	654	653	650	649	674	2	7	38	1	09	85
13				650	650	651	653	657	663	666	657	645	636	635	644	653	658	663	662	655	653	646	645	646	643	645	646	651	0	6	28	9	39	36
14			✓	646	645	644	646	656	670	686	686	678	675	664	681	678	665	663	653	646	645	652	652	653	653	651	645	660	1	6	56	2	23	56
15				639	644	646	652	655	662	664	672	665	662	662	654	651	653	650	643	644	649	646	643	645	646	644	643	651	1	7	09	20	13	47
16				643	640	644	646	642	651	652	658	655	658	654	654	669	672	671	659	652	652	644	634	644	646	646	643	651	0	12	51	19	13	45
17				646	647	644	645	651	650	650	656	655	662	669	672	661	663	656	652	650	644	642	639	641	643	644	644	651	0	11	07	19	38	36
18				643	644	644	645	649	652	657	662	657	653	649	650	652	654	662	661	649	644	640	640	641	643	644	643	649	0	14	40	19	47	30
19	✓			644	644	645	647	649	651	654	659	656	648	644	654	663	674	674	670	654	644	641	638	641	643	643	643	651	0	13	34	18	42	42
20	✓	✓		643	645	645	646	646	650	652	654	654	645	649	661	672	671	662	654	646	644	640	637	640	640	641	640	649	0	12	40	19	48	37
21	✓			640	642	644	648	650	646	644	641	633	623	631	640	652	669	668	654	642	639	635	635	636	640	642	641	643	0	14	08	9	52	53
22				641	642	642	642	642	641	636	642	637	641	651	650	663	662	663	658	647	642	634	636	640	643	644	642	645	0	14	35	8	55	35
23	✓	✓		642	644	644	644	645	648	650	649	638	623	621	632	644	640	644	649	640	634	632	630	633	635	640	640	639	0	6	54	10	08	36
24				642	642	643	643	643	643	638	635	623	614	612	633	626	635	655	659	634	629	633	630	632	634	637	636	635	1	15	08	9	47	59
25				640	643	642	644	643	643	642	639	630	615	622	623	631	650	652	642	634	634	635	639	639	641	641	641	638	0	14	01	9	24	44
26	✓	✓		643	647	646	645	646	652	662	661	645	630	620	621	622	631	645	652	650	640	635	634	635	640	642	641	641	0	7	04	11	09	51
27				641	642	642	643	645	652	663	659	648	634	635	641	635	624	630	633	633	640	633	634	638	638	640	641	640	0	6	48	13	43	44
28				641	640	632	636	642	650	661	654	640	627	620	611	614	622	631	637	633	634	633	633	640	643	642	642	636	1	6	31	11	48	63
29			✓	637	634	632	638	639	651	670	671	672	650	641	633	626	638	647	648	641	642	642	642	641	643	642	642	644	1	8	17	11	48	93
30				642	643	643	642	642	651	663	669	654	646	652	655	661	652	655	654	649	641	639	638	639	641	642	642	648	0	7	48	19	48	37
31	✓			641	644	642	641	645	654	666	675	674	664	659	662	663	653	639	631	623	629	630	632	639	641	642	642	647	0	7	54	16	41	55
MEANS ALL DAYS				642	644	644	646	648	653	657	658	651	644	644	648	654	658	658	654	647	644	641	641	643	644	644	643	648						50
MEANS TEN DAYS ✱				642	644	644	645	646	649	653	652	645	637	636	645	652	656	657	655	646	641	638	637	640	641	642	641	645						43
MEANS FIVE DAYS † (G. M. T.)				642	645	645	645	646	649	653	652	645	635	634	644	655	655	657	658	648	641	639 638	639 636	641	642	643	641	646						
MEANS FIVE DAYS ‡ (G. M. T.)				643	643	645	649	653	662	677	680	678	669	663	656	664	666	665	659	653	650	649	648	650	649	648	646	657						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 106

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1938 — JUNE 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				642	643	643	639	643	651	654	660	654	653	653	660	656	654	653	650	642	634	632	633	636	640	640	641	646	0	11	47 663	18	28 630	33
2			✓	642	644	645	645	646	649	649	643	642	640	646	644	649	649	644	639	641	648	644	645	643	643	642	642	644	0	13	48 653	15	37 636	17
3				642	643	645	648	651	652	654	655	650	643	639	639	639	651	660	654	643	641	638	635	636	641	641	641	645	0	14	18 662	19	08 633	29
4	✓	✓		642	643	643	643	646	650	653	655	651	642	641	645	654	657	654	662	652	639	633	632	634	640	640	643	646	0	15	40 664	19	14 631	33
5				644	644	646	646	649	654	657	654	647	644	645	644	642	644	645	651	641	634	632	634	639	641	641	641	644	0	7	08 662	18	28 631	31
6				639	640	639	641	643	652	659	653	644	645	640	650	653	654	650	650	651	642	634	632	637	639	637	636	644	0	6	38 662	19	38 631	31
7				636	636	636	637	641	649	658	661	660	651	640	640	651	655	660	657	643	629	623	631	639	640	636	634	643	0	7	18 663	18	38 621	42
8			✓	624	639	641	639	639	653	662	671	664	658	648	639	632	643	652	650	643	639	640	636	639	639	636	637	644	1	7	52 682	0	12 617	65
9				637	638	640	642	643	645	657	656	650	641	633	633	633	638	643	653	643	634	632	632	632	635	637	634	640	0	6	41 663	18	40 630	33
10				639	641	643	649	652	651	669	663	657	651	641	631	630	621	622	636	642	642	633	628	623	629	638	632	640	0	7	30 671	14	02 611	60
11			✓	635	635	645	652	658	672	701	705	692	673	660	651	652	652	652	650	637	641	637	635	639	642	641	641	654	1	7	08 712	1	08 630	82
12			✓	634	644	644	644	644	650	665	675	673	670	661	655	652	635	622	616	617	621	621	621	624	636	635	635	641	1	7	35 682	15	51 613	69
13			✓	640	642	641	642	649	656	673	693	688	674	664	662	656	655	632	630	630	632	638	632	634	640	641	643	649	1	7	52 704	15	41 627	77
14				643	644	644	644	645	649	658	667	663	658	658	653	650	648	648	650	645	642	640	638	640	641	640	642	648	0	7	34 670	19	18 635	35
15	✓	✓		641	641	642	642	644	648	654	661	658	654	661	665	660	648	650	645	639	634	634	637	640	641	642	642	647	0	11	42 670	17	08 633	37
16				642	642	643	644	644	651	662	669	664	654	643	633	631	635	634	633	630	630	634	635	636	640	642	642	642	0	7	34 672	17	04 624	48
17				642	643	644	645	648	651	654	661	660	649	641	641	640	647	648	643	640	632	632	633	635	638	640	640	644	0	8	14 664	17	28 631	33
18	✓			640	640	642	641	643	651	660	664	663	652	644	642	640	635	640	640	642	636	633	633	633	635	636	638	643	0	8	08 667	18	08 632	35
19				639	641	642	644	645	650	653	653	650	642	639	643	644	644	641	645	642	640	635	633	633	633	633	634	642	0	7	30 655	19	50 632	23
20	✓			634	635	639	639	641	645	651	653	653	649	646	643	643	648	647	641	632	627	631	632	632	635	635	639	640	0	7	52 656	17	14 626	30
21				638	640	641	642	635	640	644	636	632	625	632	634	624	633	642	646	644	640	634	635	635	639	640	637	637	0	7	38 652	9	50 616	36
22				635	635	634	638	634	638	650	661	654	643	633	632	634	637	644	651	645	639	637	635	637	639	639	639	640	0	7	28 663	11	18 630	33
23	✓	✓		639	636	638	639	641	644	650	654	653	651	650	644	650	653	654	654	645	640	637	635	635	635	635	635	644	0	15	30 657	19	48 634	23
24	✓			634	633	634	635	637	642	653	654	651	640	630	630	643	641	642	648	644	639	633	634	635	640	641	642	640	0	7	05 655	11	01 625	30
25	✓			640	640	642	642	644	645	652	655	653	641	633	631	632	639	646	644	634	632	633	633	635	639	639	637	640	0	7	20 659	11	06 627	32
26	✓			639	640	641	640	642	644	655	658	650	640	626	623	628	629	633	635	635	632	631	631	634	640	641	639	638	0	7	50 662	10	53 621	41
27	✓	✓		639	641	642	644	644	646	653	659	653	635	630	627	631	641	644	644	639	637	633	633	634	636	639	640	640	0	7	18 662	11	40 624	38
28	✓	✓		639	638	640	641	642	647	659	663	663	651	634	632	636	641	635	630	627	630	631	631	633	637	638	636	640	0	8	05 669	16	48 623	46
29				634	635	638	642	644	644	649	661	660	650	657	655	653	644	640	634	635	633	632	632	633	635	636	634	642	0	8	18 663	18	02 631	32
30				634	639	640	640	641	646	650	654	650	637	630	630	633	635	642	640	639	633	631	632	634	641	637	633	638	0	7	51 659	10	08 624	35
31																																		
MEANS ALL DAYS				638	640	641	642	644	649	657	661	657	649	643	642	642	644	644	644	639	636	634	633	635	638	639	638	643						40
MEANS TEN DAYS ✲				639	639	640	641	642	646	654	658	655	646	640	638	642	643	644	644	639	635	633	633	634	638	639	639	642						34
MEANS FIVE DAYS (G. M. T.) †				640	640	641	642	643	647	654	658	656	647	643	643	646	648	647	647	640	636	636 634 634 634		636	639	640	640	643						
MEANS FIVE DAYS (G. M. T.) ‡				635	641	643	644	647	656	670	677	672	663	656	650	648	647	640	637	634	636	636	630	632	637	638	637	646						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
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TABLE 107

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1938 — JULY 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				633	640	640	635	635	635	645	643	635	632	631	636	643	650	654	649	642	643	640	635	637	640	641	638	640	1	7	18 659	10	08 625	34
2				631	632	641	640	642	649	656	661	655	653	649	652	648	657	656	650	641	636	634	634	637	638	638	638	644	0	7	08 665	0	44 625	40
3	✓	✓		638	637	640	641	642	639	637	645	641	629	635	641	646	654	652	646	638	636	637	634	636	638	640	637	640	0	13	57 656	9	28 627	29
4			✓	637	638	637	639	646	647	653	681	676	646	628	625	628	626	623	623	630	636	631	634	629	634	639	639	639	1	7	43 693	12	16 614	79
5				639	641	640	640	643	647	658	666	664	638	638	635	634	642	648	648	636	632	634	632	635	636	637	639	642	1	6	57 677	9	33 625	52
6				638	633	629	633	634	639	649	656	643	636	636	628	617	616	633	645	644	639	637	637	637	638	638	638	636	0	7	27 660	12	58 609	51
7	✓			638	638	641	644	646	648	656	664	657	644	636	629	629	626	634	643	638	638	637	636	638	642	639	638	641	0	7	18 666	13	24 624	42
8				637	637	635	636	637	639	656	659	654	643	636	644	646	646	647	646	645	642	638	635	636	638	638	637	642	0	7	07 664	2	28 632	32
9				637	634	637	643	644	647	661	668	654	636	625	622	627	636	637	634	633	635	626	633	642	645	638	635	639	0	7	13 673	11	29 618	55
10			✓	628	627	630	634	647	658	667	686	680	659	642	637	655	658	655	645	638	634	638	638	640	639	636	630	646	1	7	31 694	0	51 625	69
11				632	633	631	630	635	639	646	647	648	648	647	644	648	649	653	647	639	637	636	634	637	638	638	637	641	0	14	28 655	0	00 627	28
12				637	637	637	639	642	642	641	647	646	642	647	654	656	664	666	657	647	637	631	628	629	634	637	637	643	0	13	51 667	19	31 627	40
13				640	640	640	644	645	644	638	637	628	616	606	608	624	636	638	632	626	626	627	635	639	643	642	645	633	1	21	12 654	9	53 601	53
14				638	643	645	646	645	652	670	686	675	675	657	644	638	637	637	634	634	633	634	634	637	638	644	638	646	1	7	22 691	17	08 631	60
15			✓	634	634	627	622	625	630	637	666	676	684	659	667	641	647	647	639	644	648	646	653	654	646	646	646	647	2	9	28 707	3	01 616	91
16			✓	646	647	650	650	644	638	657	678	679	673	676	671	666	656	648	647	647	646	641	637	638	642	642	643	653	1	7	31 695	5	35 635	60
17				639	638	644	643	642	645	656	670	673	676	677	672	667	657	646	646	638	637	637	637	638	639	640	640	650	0	10	44 678	17	02 636	42
18	✓			638	639	641	642	642	646	657	657	644	633	636	641	657	668	663	647	637	636	637	638	638	638	639	641	644	0	13	08 670	17	32 635	35
19				637	637	636	637	642	647	658	666	660	658	651	650	664	668	659	647	636	636	637	636	636	637	638	637	646	0	7	24 675	16	48 632	43
20				636	633	631	627	636	645	666	687	696	682	666	658	660	662	657	646	637	633	637	636	638	637	637	635	649	0	8	09 697	3	14 626	71
21				636	633	633	634	637	641	649	668	675	663	646	635	626	621	623	627	628	635	637	635	636	636	637	637	639	0	8	01 678	13	58 617	61
22	✓			634	634	634	635	638	642	653	670	672	663	656	647	640	636	647	646	639	638	634	635	637	637	638	637	643	0	8	10 676	13	08 630	46
23	✓			637	637	638	639	644	647	662	668	658	645	638	634	636	647	654	658	657	648	636	632	634	636	637	636	644	0	7	48 674	12	07 625	49
24	✓			636	638	641	644	647	654	666	662	647	630	621	616	617	618	627	637	634	631	628	627	632	636	636	636	636	0	7	01 670	11	38 614	56
25	✓	✓		636	637	638	641	647	653	666	667	667	664	657	652	644	644	653	649	639	634	633	628	630	634	634	634	645	0	8	18 669	19	10 627	42
26	✓	✓		632	634	637	640	640	646	651	646	632	623	624	637	652	657	666	658	651	647	637	632	633	635	636	636	641	0	14	38 667	9	58 620	47
27	✓	✓		634	636	640	644	646	650	666	660	639	623	609	609	616	638	656	658	654	643	632	629	632	635	637	637	638	0	6	57 669	11	15 607	62
28	✓	✓		637	638	641	643	646	654	665	665	648	634	626	626	630	642	644	646	643	638	632	628	630	635	637	638	640	0	7	11 668	10	43 624	44
29				636	638	643	644	646	649	659	656	636	622	626	623	635	645	647	647	637	634	632	628	633	637	638	637	639	0	6	53 665	9	18 617	48
30			✓	622	613	607	617	627	641	630	681	687	669	664	647	654	657	656	642	639	646	647	643	647	646	644	644	645	1	7	22 699	2	53 605	94
31				643	644	644	645	647	648	648	657	653	646	635	633	646	648	650	653	652	641	633	630	634	636	636	636	643	0	7	28 660	11	08 628	32
MEANS ALL DAYS				636	636	637	638	641	645	654	664	658	648	641	639	642	645	648	645	640	638	635	634	636	638	639	638	642						51
MEANS TEN DAYS ✱				636	637	639	641	644	648	658	660	650	639	634	633	637	643	650	649	643	639	634	632	634	637	637	637	641						45
MEANS FIVE DAYS (G. M. T.) †				635	636	639	642	644	648	657	657	645	635	630	633	638	647	654	651	645	640	633 634	630 630	633	636	636	636	641						
MEANS FIVE DAYS (G. M. T.) ‡				633	632	630	632	638	643	649	678	680	666	654	649	649	649	646	639	640	642	641	636	640	641	641	639	645						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 108

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				634	636	635	632	635	634	640	654	657	656	649	653	662	668	672	666	656	651	652	644	647	646	641	642	648	1	14 58	676	2 58	625	51
2				643	644	640	640	645	651	666	670	664	656	657	665	664	671	671	673	656	645	638	635	632	635	637	637	651	0	15 18	675	20 11	628	47
3			✓	638	640	640	644	646	654	664	670	663	651	644	646	650	641	642	647	633	615	647	653	647	647	645	646	646	1	7 25	672	17 03	595	77
4			✓	638	617	608	607	636	647	655	666	674	666	654	636	627	626	636	644	636	625	636	632	638	639	637	640	638	1	8 02	685	3 01	589	96
5				642	643	646	651	655	658	674	686	684	674	658	654	659	650	641	634	628	631	634	634	634	637	639	637	649	1	7 54	688	16 58	625	63
6				638	643	644	644	644	644	646	648	637	631	634	646	654	658	666	662	654	651	647	638	637	637	638	636	645	0	14 25	668	9 08	628	40
7				630	632	627	627	634	644	664	678	668	667	663	652	666	674	668	649	638	634	631	628	633	635	634	634	646	0	7 00	681	2 52	623	58
8				633	633	636	637	641	646	654	655	641	636	642	646	658	654	664	660	648	641	636	631	634	635	635	635	643	0	14 58	669	19 48	630	39
9	✓			635	635	635	638	644	648	660	657	642	626	621	624	627	639	648	649	637	635	628	627	629	635	635	634	637	0	7 12	665	9 41	620	45
10				636	635	636	646	654	657	656	653	640	634	628	639	647	656	654	651	644	634	628	631	634	635	635	631	641	0	7 10	665	10 27	622	43
11			✓	628	628	631	628	628	638	662	677	666	655	636	634	645	653	651	641	627	620	626	626	628	636	638	640	639	1	7 16	686	17 07	617	69
12				640	643	645	647	651	656	663	656	646	648	656	661	657	667	674	671	656	645	636	633	636	637	637	637	650	1	14 23	676	19 25	629	47
13				636	638	641	645	646	647	647	637	619	608	608	614	634	663	681	675	655	638	631	627	628	635	637	636	639	0	14 38	684	10 48	606	78
14				636	638	641	643	645	646	649	650	638	632	635	641	648	663	668	665	647	631	635	634	633	636	638	635	643	0	14 36	671	9 28	628	43
15	✓	✓		636	635	638	640	644	645	647	656	651	646	643	647	657	656	668	673	653	636	633	628	630	634	637	636	645	0	15 08	679	19 38	627	52
16	✓	✓		634	634	635	637	639	645	647	647	644	645	645	644	656	666	673	666	647	633	628	627	629	631	634	635	643	0	14 38	674	19 23	626	48
17	✓			633	632	631	634	636	639	646	652	652	649	647	647	656	666	667	655	639	636	636	634	635	636	636	634	643	0	14 08	672	2 18	630	42
18	✓	✓		634	634	634	636	639	642	646	651	648	650	652	654	659	662	658	649	645	636	630	627	627	629	632	631	642	0	13 32	664	19 27	626	38
19	✓			631	631	634	636	638	646	658	660	653	645	653	656	668	668	661	646	630	631	632	627	628	631	632	629	643	0	12 55	674	19 28	626	48
20	✓	✓		628	631	634	637	638	646	654	654	648	641	636	645	647	653	653	647	635	632	630	626	627	628	629	630	639	0	7 38	656	19 58	625	31
21				634	635	636	638	642	645	647	648	633	638	651	665	668	669	661	654	646	638	634	628	628	629	633	630	643	0	13 06	676	20 00	626	50
22			✓	633	634	636	638	644	648	654	643	636	638	618	629	622	642	640	637	637	631	626	628	631	631	628	630	635	1	9 00	668	10 39	607	61
23			✓	634	635	636	631	609	616	643	647	648	649	658	647	647	647	657	656	643	635	634	629	628	634	635	634	639	1	10 41	666	4 48	597	69
24				634	636	638	640	646	653	661	665	664	662	663	663	664	676	676	659	646	636	632	627	629	633	634	635	649	0	13 58	684	19 35	625	59
25				638	640	644	647	653	660	674	669	659	649	647	649	645	642	650	647	641	635	626	626	629	632	631	633	644	0	6 50	676	18 38	623	53
26	✓			635	638	642	647	650	658	666	667	660	649	638	628	627	635	640	635	629	626	627	626	628	633	633	633	640	0	7 13	669	17 41	625	44
27	✓	✓		634	634	637	640	645	648	657	657	647	645	638	638	646	649	658	647	638	634	631	627	628	630	630	630	640	0	6 50	664	19 08	626	38
28				634	635	637	639	644	647	650	646	637	639	639	645	659	666	665	649	640	635	629	627	629	634	633	632	641	0	14 09	673	19 05	626	47
29				632	634	636	638	643	646	647	645	641	641	634	633	644	645	633	625	624	625	627	635	637	635	634	629	636	0	13 22	653	15 37	621	32
30				634	635	635	634	632	632	639	649	655	645	655	665	665	658	661	657	646	636	630	632	635	634	635	634	643	0	12 00	672	18 28	629	43
31	✓			632	632	632	631	634	637	637	637	628	618	608	618	631	645	652	652	645	636	634	633	630	631	634	636	633	0	15 08	655	10 22	607	48
MEANS ALL DAYS				635	635	636	638	641	646	654	656	650	645	642	645	650	656	658	653	642	634	633	631	632	635	635	635	642						52
MEANS TEN DAYS *				633	634	635	638	641	645	652	654	647	641	638	640	647	654	658	652	640	634	631	628	629	632	633	633	640						43
MEANS FIVE DAYS † (G. M. T.)				633	634	636	638	641	645	650	653	648	645	643	646	653	657	662	656	644	634	633 630	630 627	631	634	635	633	642						
MEANS FIVE DAYS ‡ (G. M. T.)				634	631	630	630	633	641	656	661	657	652	642	638	638	642	645	645	635	625	634	635	634	635	636	635	639						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 109

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1938 — SEPTEMBER 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		633	633	633	631	631	634	637	645	654	651	639	636	645	639	647	643	637	627	628	628	629	632	633	629	636	0	8	48	657	17 28	626	31
2	✓			628	629	628	633	634	634	636	635	638	634	637	637	639	646	647	642	633	625	626	628	629	634	634	632	634	0	14	48	649	17 42	624	25
3				628	627	631	633	630	637	638	636	651	664	669	675	677	667	668	663	651	639	635	634	634	635	634	630	645	0	12	23	678	0 38	626	52
4	✓			631	631	633	634	634	636	638	641	644	646	647	635	646	655	662	657	643	636	628	627	629	635	636	632	639	0	14	35	664	19 18	625	39
5				628	628	635	637	638	640	644	650	654	647	643	629	639	656	657	658	657	645	637	632	632	632	631	627	641	1	15	56	659	11 50	624	35
6	✓	✓		627	628	633	636	638	645	644	633	627	627	636	651	674	691	683	666	656	637	626	623	627	628	630	629	641	0	13	18	693	19 30	621	72
7				627	634	638	644	651	653	646	637	632	622	624	636	647	661	646	634	627	627	624	624	626	628	629	633	635	1	13	11	663	9 38	618	45
8	✓			632	633	636	637	645	647	646	641	637	635	635	638	643	648	644	644	638	632	631	627	627	629	631	628	637	0	13	28	651	19 08	626	25
9				626	627	628	629	633	634	626	616	610	619	631	634	657	658	653	646	638	637	634	631	632	633	633	629	633	0	12	38	669	8 06	605	64
10				627	628	627	631	638	644	645	645	645	645	644	637	639	652	647	641	638	632	631	631	631	631	628	628	637	0	14	08	654	0 20	626	28
11				631	631	632	634	636	644	658	664	665	666	662	666	671	672	660	655	641	636	637	636	635	635	634	633	647	0	13	02	677	0 59	630	47
12				629	626	627	630	636	638	638	646	657	667	674	674	672	676	671	659	647	641	641	637	637	635	635	624	647	.0	13	40	678	23 28	619	59
13				627	628	628	628	630	637	646	649	652	647	640	640	644	649	647	644	637	636	645	645	645	637	629	636	639	1	13	42	663	0 00	623	40
14			✓	635	628	627	634	635	633	640	647	665	657	650	640	649	654	647	637	647	649	665	663	660	653	635	637	645	1	8	52	673	1 50	625	48
15			✓	629	628	627	623	626	628	644	668	699	693	686	667	667	674	660	657	644	640	644	641	634	637	640	643	650	2	8	23	726	3 23	615	111
16				645	646	647	643	646	647	646	644	646	649	655	659	667	658	647	644	640	637	637	637	637	638	639	637	645	0	12	03	668	17 33	636	32
17				635	638	640	640	640	641	639	641	640	645	644	639	639	647	649	649	647	644	636	635	633	632	632	635	640	0	8	35	655	21 43	631	24
18	✓			635	635	636	638	639	645	645	649	648	639	647	655	668	669	667	665	654	638	628	627	632	633	630	628	644	0	12	48	671	19 00	626	45
19	✓	✓		631	633	634	635	637	638	634	627	616	610	614	626	639	654	660	660	655	639	627	627	630	629	629	627	634	0	14	51	664	9 21	608	56
20	✓			626	626	629	631	635	640	645	646	641	634	635	641	654	658	652	646	636	629	627	626	627	630	630	627	636	0	13	00	673	19 00	625	48
21				627	627	628	633	635	633	624	617	610	606	614	621	625	631	646	647	643	632	630	632	631	633	631	627	628	0	15	12	652	9 08	603	49
22				625	626	636	637	643	636	636	632	628	624	626	626	637	643	646	649	644	635	631	631	634	633	631	630	634	0	15	11	651	9 10	623	28
23				628	626	630	634	638	638	628	628	636	643	643	641	650	656	657	649	638	629	626	628	630	634	634	629	636	1	14	08	659	1 34	621	38
24	✓	✓		628	628	628	632	632	628	627	627	630	634	627	626	633	630	626	621	622	620	624	629	630	634	634	630	628	0	9	33	637	17 33	618	19
25	✓	✓		629	628	629	629	632	630	629	639	656	672	678	675	675	670	659	653	647	637	628	629	630	632	629	628	643	0	10	55	681	23 22	626	55
26			✓	627	628	628	619	621	619	608	628	639	639	657	662	658	656	648	645	643	647	642	639	643	640	640	639	638	1	11	43	679	6 48	607	72
27			✓	637	634	630	626	625	626	632	643	655	659	661	668	672	667	657	641	636	637	641	629	646	654	667	646	645	1	12	48	675	19 45	618	57
28			✓	644	641	636	634	637	636	638	649	657	656	671	689	686	692	678	658	647	641	634	637	637	637	636	630	650	1	11	40	715	23 54	629	86
29				627	622	627	627	628	627	620	625	639	658	677	688	685	675	666	665	655	637	627	630	634	634	636	633	643	0	12	05	696	1 38	618	78
30				629	635	634	634	633	629	636	648	648	659	651	666	667	685	669	661	639	635	640	645	639	640	628	638	645	1	13	28	699	5 34	623	76
31																																		
MEANS ALL DAYS				630	630	632	633	635	637	637	640	644	645	647	649	655	660	656	650	643	636	634	633	634	635	634	632	640							49
MEANS TEN DAYS ✱				630	630	632	634	636	638	638	638	639	638	640	642	652	656	655	650	642	632	627	627	629	632	632	629	637							42
MEANS FIVE DAYS † (G. M. T.)				630	630	631	633	634	635	634	634	637	639	639	643	653	657	655	649	643	632	630 627	630 627	631	633	633	630	637							
MEANS FIVE DAYS ‡ (G. M. T.)				634	632	630	627	629	628	632	647	663	661	665	665	666	669	658	648	643	643	645	641	645	643	640	637	645							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

TABLE 110

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1938 — OCTOBER 1938

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	649	647	640	644	637	635	629	639	653	660	679	704	710	697	682	660	640	629	624	628	629	631	630	626	650	1	12 48	715	18 10	621	94
2				628	634	636	638	637	634	612	610	615	624	629	656	675	667	659	655	646	631	622	627	628	630	630	632	636	0	12 33	679	7 46	607	72
3				629	629	631	637	636	629	624	626	628	637	653	667	660	655	649	644	637	628	634	635	635	634	636	637	638	0	11 52	671	6 58	622	49
4				636	634	632	629	628	618	616	618	630	637	648	657	666	671	668	657	643	629	627	632	635	634	631	632	638	0	13 18	674	7 11	612	62
5	✓	✓		629	629	629	630	634	634	628	621	617	620	637	640	647	657	658	646	634	628	629	631	631	634	635	628	634	0	13 52	664	8 44	615	49
6				624	625	627	628	629	628	626	627	628	635	657	658	660	646	638	623	616	620	625	629	629	629	628	626	632	0	12 08	667	16 24	615	52
7			✓	625	625	617	612	617	603	594	607	637	658	676	678	659	658	658	644	635	640	647	649	647	639	655	644	638	1	11 09	693	6 08	588	105
8			✓	643	642	640	647	639	634	613	626	653	666	675	672	672	665	653	645	638	637	635	637	635	633	634	631	644	1	10 46	685	6 41	602	83
9				628	623	620	620	626	625	625	636	645	658	663	666	656	656	658	652	642	638	633	632	634	631	632	632	639	0	11 14	674	3 38	617	57
10				628	627	628	628	628	629	632	639	648	655	654	655	650	649	653	638	628	625	627	633	635	632	633	628	637	0	10 02	659	18 05	624	35
11				628	622	623	626	627	625	629	646	665	675	687	687	687	688	672	657	642	629	627	630	630	630	630	628	645	0	13 34	694	1 48	618	76
12	✓			628	627	627	628	629	627	624	638	658	659	668	678	685	680	666	644	627	625	627	634	634	634	634	632	642	0	11 58	686	6 08	622	64
13	✓			630	628	628	630	632	630	625	635	646	656	665	674	670	665	654	644	628	625	624	627	628	627	627	625	638	0	11 52	677	18 18	621	56
14	✓	✓		620	620	624	626	626	622	616	623	636	647	658	665	660	655	649	632	625	625	626	633	632	630	629	628	634	0	10 42	669	6 18	614	55
15	✓	✓		627	624	626	626	626	625	618	619	620	626	639	649	655	660	666	649	637	628	627	632	632	631	635	635	634	0	14 02	674	6 28	616	58
16				632	625	626	625	628	628	627	630	647	647	658	676	679	685	684	668	641	634	639	648	641	636	632	627	644	1	13 28	688	1 50	623	65
17				627	628	632	631	632	625	612	614	617	625	634	651	659	655	651	638	625	622	625	629	629	632	632	633	632	0	12 33	665	6 44	611	54
18	✓			627	627	627	627	628	627	615	607	610	618	626	631	633	637	637	632	624	617	619	627	628	627	632	634	626	0	13 42	644	7 32	606	38
19				634	627	628	629	628	622	614	624	626	639	647	656	653	636	633	624	608	607	617	626	627	627	626	624	628	0	11 52	659	17 09	604	55
20				619	621	624	624	627	621	609	615	626	635	645	662	666	662	655	645	626	617	620	627	628	628	628	626	632	0	12 08	668	6 18	607	61
21	✓	✓		625	626	626	627	627	623	615	621	626	634	641	656	654	652	647	645	634	622	619	627	628	627	628	627	632	0	11 21	662	6 28	611	51
22	✓			626	628	631	634	630	626	618	624	627	646	659	667	667	662	660	647	633	624	625	633	629	626	626	626	636	0	11 43	671	6 38	617	54
23				619	618	618	624	627	626	608	618	627	641	649	653	666	660	664	647	636	629	627	631	632	631	631	627	634	1	12 41	676	6 31	605	71
24				625	624	625	627	628	627	611	613	624	636	636	649	669	677	674	665	644	637	636	638	643	641	636	634	638	1	13 52	683	7 12	606	77
25			✓	627	625	627	624	626	614	600	613	609	639	667	674	666	659	659	648	638	633	627	636	637	634	628	627	635	1	11 21	678	6 27	595	83
26			✓	627	624	626	626	628	626	615	625	639	652	665	682	668	678	673	658	649	636	630	635	637	633	631	628	641	1	11 28	689	6 48	609	80
27				626	624	625	627	626	623	611	615	625	647	665	687	676	663	652	635	627	625	626	640	637	636	635	626	637	1	11 30	704	6 27	605	99
28				627	627	625	622	625	618	605	620	633	634	658	666	675	672	668	652	633	624	624	633	635	632	630	627	636	1	12 20	682	6 52	603	79
29				626	623	623	626	627	625	618	626	635	649	662	675	669	670	663	640	631	625	620	632	637	631	627	627	637	0	11 50	677	6 39	617	60
30	✓			626	623	622	624	625	620	610	619	638	655	670	675	665	643	640	637	625	615	615	625	629	629	628	626	633	0	11 41	679	6 28	607	72
31	✓	✓		625	623	623	624	624	621	609	618	626	627	637	652	653	647	647	638	625	618	616	625	628	627	626	626	629	0	11 48	656	6 18	608	48
MEANS ALL DAYS				628	627	627	628	629	625	616	623	633	643	655	665	665	662	658	645	633	627	626	632	633	631	631	629	636						65
MEANS TEN DAYS ✻				626	626	626	628	628	626	618	622	630	639	650	659	659	656	652	641	629	623	623	629	630	629	630	629	634						54
MEANS FIVE DAYS † (G. M. T.)				625	624	626	627	627	625	617	620	625	631	642	652	654	654	653	642	631	624	622 623	629 630	630	630	629	627	632						
MEANS FIVE DAYS ‡ (G. M. T.)				634	633	630	631	629	622	610	622	638	655	672	682	675	671	665	651	640	635	633	639	639	637	635	634	642						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 111

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				626	624	624	622	624	624	616	619	626	624	640	646	647	652	652	640	625	617	618	626	628	629	628	628	629	0	14	24 659	9	01 614	45
2				622	621	619	622	626	626	619	621	631	649	656	646	646	651	646	636	626	618	618	627	629	629	628	626	631	0	9	11 659	6	46 616	43
3	✓	✓		623	623	624	628	630	629	618	627	642	643	638	636	633	634	636	628	617	618	618	626	630	630	630	628	629	0	9	08 646	16	30 616	30
4	✓			626	627	625	620	623	620	613	615	621	629	629	627	633	640	636	634	624	620	618	627	627	627	627	625	626	0	13	18 644	6	25 608	36
5	✓			624	619	618	621	624	615	599	606	615	626	631	631	633	626	624	622	624	622	626	629	629	627	627	625	623	0	12	30 637	6	38 598	39
6	✓			626	619	617	619	623	624	615	619	635	649	651	651	644	644	642	633	637	634	626	630	632	628	626	624	631	0	10	08 656	6	10 612	44
7				621	620	618	622	624	617	611	620	631	637	646	656	657	657	651	636	627	622	621	628	630	628	626	622	630	0	12	48 663	6	15 607	56
8			✓	616	615	614	614	614	614	604	608	626	646	664	654	655	653	643	635	629	637	643	648	648	645	638	633	633	1	10	37 679	6	22 602	77
9			✓	628	628	626	625	624	623	619	632	646	653	662	670	666	654	643	637	631	626	626	627	633	639	638	637	637	1	11	10 679	6	08 617	62
10				632	628	628	627	626	617	607	617	638	651	658	664	662	652	656	648	637	626	623	628	633	633	629	628	635	0	11	35 667	6	58 604	63
11	✓			627	624	623	624	624	618	607	616	633	646	652	666	669	668	658	633	623	618	616	627	628	628	627	625	632	0	12	07 676	6	48 606	70
12	✓	✓		622	618	617	618	623	619	606	609	625	644	656	660	654	636	623	617	616	616	616	628	630	631	630	629	627	0	11	30 661	6	38 604	57
13	✓	✓		627	626	624	626	627	627	620	634	648	665	668	668	666	648	627	620	626	624	618	628	629	629	628	626	635	0	10	20 672	18	08 616	56
14				624	617	615	616	618	620	617	626	634	647	652	657	646	629	623	636	632	628	623	631	636	636	636	633	630	0	11	18 661	2	38 614	47
15				633	633	632	627	628	627	619	625	635	646	655	656	653	652	640	632	626	617	621	629	636	635	632	628	634	0	11	38 659	17	38 616	43
16				626	624	621	623	626	628	625	636	643	656	662	666	663	647	637	626	618	617	615	625	628	631	631	627	633	0	10	09 669	18	38 614	55
17			✓	626	618	618	617	620	623	612	619	635	664	659	663	667	653	662	659	650	644	637	636	636	634	626	620	637	1	10	21 693	7	34 610	83
18				615	617	618	617	621	616	614	616	630	640	654	667	676	685	677	658	639	628	624	627	628	628	624	619	635	0	13	55 689	7	05 610	79
19				617	615	617	619	619	619	626	634	644	657	670	667	658	658	654	634	618	616	617	623	623	624	623	621	632	0	10	38 674	1	18 613	61
20				620	615	616	614	614	616	618	637	653	673	672	673	661	637	637	632	625	620	616	622	624	624	626	621	632	0	11	00 680	3	58 611	69
21			✓	616	614	614	613	612	612	596	598	625	645	653	674	675	663	660	657	644	626	622	628	631	627	626	620	631	1	11	56 691	6	28 591	100
22				623	618	616	618	624	619	616	625	628	626	634	650	657	649	646	631	625	623	618	628	628	626	624	621	628	0	12	18 658	6	12 610	48
23				620	618	609	606	618	615	605	606	614	624	629	638	655	645	629	624	626	620	621	627	627	628	625	623	623	1	12	08 660	6	37 603	57
24				618	614	608	618	616	616	616	624	635	651	673	685	680	655	653	651	636	630	626	636	635	634	628	631	636	0	12	18 689	2	38 606	83
25				627	622	619	619	616	603	598	614	632	650	667	674	666	648	656	651	644	626	618	626	626	626	619	623	632	0	11	31 678	6	18 595	83
26			✓	620	616	615	615	620	616	603	605	616	627	646	647	647	636	637	633	626	626	623	626	628	629	626	624	625	1	11	56 658	7	54 597	61
27				620	623	621	619	618	620	616	629	636	639	637	637	637	636	638	636	625	622	618	621	625	625	624	619	627	0	11	57 645	6	18 612	33
28	✓	✓		616	615	616	619	619	618	609	617	631	638	638	651	663	652	638	626	621	618	616	621	623	618	618	618	626	0	12	18 667	6	21 607	60
29	✓			615	615	615	615	619	621	615	623	637	652	663	675	683	675	647	632	627	625	619	625	625	626	625	621	633	0	12	58 690	6	28 613	77
30	✓	✓		618	617	616	617	617	617	617	627	643	654	658	658	650	646	639	634	628	629	616	624	626	623	623	621	630	0	10	08 663	5	48 615	48
31																																		
MEANS ALL DAYS				622	620	619	619	621	619	613	620	633	645	652	657	657	649	644	636	628	624	621	628	630	629	627	625	631						59
MEANS TEN DAYS ✱				622	620	620	621	623	621	612	619	633	645	648	652	653	647	637	628	624	622	619	626	628	627	626	624	629						52
MEANS FIVE DAYS † (G. M. T.)				621	620	619	622	623	622	614	623	638	649	652	655	653	643	633	625	622	621	617 617	626 625	627	628	627	624	629						
MEANS FIVE DAYS ‡ (G. M. T.)				621	618	617	617	618	618	607	612	630	647	657	662	662	652	649	644	636	632	630	630	631	631	628	625	632						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 112

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1938

DECEMBER 1938

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		621	619	620	619	621	616	607	617	634	649	664	684	690	677	659	638	629	624	623	627	626	624	620	617	634	0	12 08	695	6 15	606	89
2			✓	615	614	612	609	608	601	587	606	616	625	636	651	655	653	657	656	643	636	638	647	645	639	636	635	630	1	11 45	669	6 08	586	83
3			✓	635	632	625	623	623	616	614	627	635	646	660	675	667	666	671	650	635	625	627	633	634	635	637	634	639	1	14 34	693	5 56	610	83
4				632	626	624	624	619	617	618	627	634	639	651	664	664	658	640	618	606	606	617	628	632	633	634	630	631	0	11 50	669	16 48	603	66
5				628	624	624	622	619	617	608	617	632	645	657	676	675	662	646	633	616	608	613	622	624	625	623	621	631	0	11 18	686	17 52	606	80
6				621	615	615	613	615	607	601	615	633	635	646	654	655	643	628	625	621	615	623	627	628	626	625	623	625	0	10 55	658	6 25	596	62
7	✓			620	616	616	616	617	606	595	607	625	643	652	646	646	638	623	615	615	614	617	624	625	622	621	619	622	0	10 18	655	6 28	593	62
8	✓	✓		615	614	614	613	613	604	596	616	643	653	663	672	675	660	647	634	615	607	614	623	624	622	618	616	628	0	12 08	677	6 09	592	85
9				614	611	608	607	606	601	594	608	636	648	649	657	659	662	646	636	628	628	628	636	635	629	627	624	628	0	11 43	665	6 08	590	75
10			✓	621	617	615	615	612	604	587	598	617	646	634	645	665	659	659	655	635	638	642	647	646	645	640	635	632	1	12 54	681	6 35	585	96
11				633	627	625	625	618	618	606	608	624	630	640	650	647	643	629	618	614	613	610	626	629	635	633	628	626	0	11 11	655	6 48	603	52
12				626	619	623	624	625	624	618	638	647	659	671	676	674	667	657	638	626	617	614	625	629	631	632	629	637	0	11 31	682	18 28	613	69
13				624	619	618	620	617	617	602	610	629	629	635	651	656	643	633	624	608	608	614	628	634	628	632	634	626	0	12 41	661	6 38	596	65
14				632	625	619	625	621	612	603	606	616	639	660	678	662	645	635	624	619	615	617	624	628	633	634	627	629	0	11 43	686	6 55	602	84
15				625	619	618	618	615	609	598	616	639	656	674	676	668	646	624	606	606	610	615	623	625	626	625	623	628	0	11 28	679	6 28	595	84
16			✓	622	618	617	610	613	606	597	619	636	646	676	703	680	664	653	626	617	626	627	631	637	636	633	631	634	1	11 28	715	6 14	593	122
17				625	614	612	615	611	607	604	621	649	674	697	712	705	685	658	618	601	604	613	623	624	630	630	627	636	1	11 35	724	16 41	600	124
18			✓	625	618	613	612	615	605	587	603	628	655	663	669	664	651	635	631	634	624	624	635	634	632	627	622	629	1	12 12	677	6 32	585	92
19				612	607	602	607	616	610	598	611	626	650	659	677	670	659	646	638	624	620	617	628	636	635	630	626	629	0	11 14	683	6 14	596	87
20				622	617	613	606	606	601	589	597	615	626	633	652	653	633	651	657	644	627	622	628	634	633	628	624	625	0	11 46	662	6 18	588	74
21				616	612	611	608	616	608	598	606	625	641	658	674	672	656	648	632	618	609	610	624	627	625	617	616	626	0	12 12	677	6 33	595	82
22				608	602	598	596	605	606	593	614	646	667	676	679	678	654	638	623	617	615	615	623	623	626	628	625	627	1	11 58	687	6 34	587	100
23				621	621	619	618	617	608	606	618	642	673	686	685	684	674	647	628	616	606	605	618	625	625	624	622	633	0	11 58	688	18 23	602	86
24	✓	✓		619	618	616	616	618	615	608	631	652	661	672	681	673	663	644	625	619	619	617	623	625	623	621	621	632	0	11 38	683	6 08	606	77
25	✓			619	617	618	618	618	616	616	623	635	646	651	662	657	651	626	613	608	608	607	618	624	625	623	619	626	0	11 41	664	18 52	606	58
26	✓	✓		619	618	617	618	617	617	619	641	665	676	675	666	661	643	622	614	622	616	610	619	625	625	624	624	631	0	10 18	679	18 18	609	70
27	✓			621	619	618	618	618	617	606	617	628	628	627	629	631	622	604	604	613	614	613	625	626	627	628	627	620	0	12 18	634	14 38	601	33
28				623	621	620	619	625	624	619	635	662	667	661	654	651	636	617	614	615	614	617	626	628	627	625	618	630	0	9 40	675	14 52	607	68
29	✓			615	613	609	611	614	616	605	616	632	645	665	666	656	645	644	639	627	616	615	624	627	626	626	625	628	0	11 38	669	6 23	604	65
30	✓			619	617	615	614	614	607	597	611	626	643	666	667	638	627	618	621	624	626	619	625	628	626	625	622	625	0	10 55	674	6 18	595	79
31	✓	✓		618	614	609	610	610	616	624	635	644	645	647	654	646	625	615	613	608	608	606	618	625	625	619	616	623	0	11 56	662	18 28	604	58
MEANS ALL DAYS				621	618	616	615	616	611	603	617	635	648	658	667	664	652	639	628	620	617	618	627	629	629	627	625	629						78
MEANS TEN DAYS ✻				619	616	615	615	616	613	607	621	638	649	658	663	657	645	630	622	618	615	614	623	626	624	622	621	627						68
MEANS FIVE DAYS (G. M. T.) †				618	617	615	615	616	614	611	628	648	657	664	671	669	654	637	625	619	615	613 614	622 622	626	624	623	621	630						
MEANS FIVE DAYS (G. M. T.) ‡				624	620	616	614	614	606	594	611	626	644	654	669	666	659	655	644	633	630	632	631	631	630	628	625	631						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⍋ = NO RECORD

TABLE 113

HORIZONTAL INTENSITY

JANUARY 1938

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			554	557	559	559	572	581	592	624	655	685	699	692	666	632	594	599	583	579	569	567	563	560	556	562	598	0	11 42	712	0 50	550	162
2	✓			561	562	565	561	561	572	573	585	639	635	682	656	674	631	619	610	592	579	564	561	575	570	566	564	594	0	10 06	722	19 24	550	172
3	✓			565	563	561	566	575	580	590	617	666	724	729	712	663	621	595	574	571	576	570	563	559	556	552	555	600	0	10 20	735	22 43	549	186
4				561	567	563	564	572	576	569	582	626	642	517	566	576	572	599	519	497	524	538	547	541	540	535	539	560	1	9 44	690	15 58	472	218
5	✓	✓		552	558	556	553	545	559	574	592	641	691	730	733	695	646	602	579	579	582	576	572	570	569	572	573	600	0	11 10	740	0 02	539	201
6				578	577	577	578	565	568	587	604	644	702	720	741	663	557	538	541	563	567	563	559	543	543	546	548	590	0	11 04	772	14 44	524	248
7				544	552	558	563	567	571	580	601	644	689	680	707	677	656	601	546	528	548	550	543	551	531	513	531	585	1	11 57	743	22 46	489	254
8				537	520	524	525	530	533	542	575	631	690	697	665	620	570	537	539	551	540	518	504	516	522	526	525	560	0	10 03	704	19 43	493	211
9				528	532	538	543	546	554	563	572	618	660	683	687	673	653	607	583	577	574	570	559	551	546	548	558	584	0	11 24	702	0 12	525	177
10	✓	✓		558	556	554	552	554	563	570	576	605	646	664	666	641	629	609	601	592	580	570	563	567	565	565	563	588	0	11 05	673	4 00	552	121
11	✓	✓		563	565	567	574	573	572	561	563	594	649	690	717	722	683	651	625	601	577	567	564	561	561	558	561	601	0	12 12	735	7 15	551	184
12				564	559	556	568	574	578	588	604	634	668	697	671	648	571	522	563	578	554	528	461	446	448	439	449	561	1	10 37	710	19 55	429	281
13				470	486	492	511	537	533	546	588	648	678	706	648	614	595	602	617	609	579	552	543	539	538	540	536	571	1	10 34	753	0 00	454	299
14	✓	✓		529	528	528	536	540	546	556	577	623	618	624	657	651	640	660	654	620	588	576	566	557	558	561	565	586	0	11 53	679	2 03	525	154
15	✓			546	533	522	542	546	548	560	592	620	661	679	693	695	662	653	636	621	581	568	559	556	554	554	557	593	0	12 10	733	2 35	515	218
16			✓	553	552	560	557	562	573	589	622	684	716	760	701	631	633	586	572	557	594	641	577	526	536	506	489	595	1	17 38	824	23 05	479	345
17			✓	483	521	514	485	495	522	543	537	588	663	643	450	403	376	421	438	509	481	442	458	458	469	481	475	494	2	9 28	817	11 25	321	496
18				458	457	458	460	470	476	492	532	599	683	705	691	685	644	538	499	491	474	461	489	494	498	506	496	532	1	10 45	788	17 49	440	348
19				494	495	496	496	507	493	495	527	607	732	770	777	697	611	500	501	504	519	532	533	532	527	523	521	558	1	11 07	815	6 00	481	334
20				531	507	510	510	510	517	521	565	655	717	743	741	755	790	632	560	514	515	519	521	519	514	517	520	579	1	13 16	871	16 37	482	389
21				518	529	529	517	502	493	477	530	583	645	685	688	712	661	587	565	531	517	501	482	515	552	551	536	559	1	12 07	739	19 47	457	282
22			✓	539	477	456	434	371	172	178	232	288	406	464	459	509	449	471	478	441	428	425	426	437	443	446	444	411	2	0 40	614	5 18	82	532
23				442	447	451	449	447	456	460	474	520	579	650	697	710	674	622	554	523	506	473	455	452	451	456	470	517	0	12 27	723	0 10	440	283
24				483	495	491	490	497	506	507	535	602	682	720	723	691	646	576	537	506	497	497	491	483	486	493	495	547	1	11 06	758	0 00	478	280
25			✓	497	503	506	508	510	512	517	576	635	634	562	668	651	728	431	253	176	52	86	209	248	254	321	361	433	2	13 22	1109	17 07	5	1104
26			✓	370	381	391	394	401	407	423	434	475	524	593	581	588	610	604	576	558	518	485	478	480	482	488	488	489	2	11 00	652	0 03	365	287
27				487	481	483	493	493	498	508	524	549	578	596	562	612	614	595	593	577	555	531	520	517	521	520	519	539	0	12 46	644	2 29	479	165
28	✓			521	524	525	526	528	534	544	561	597	588	598	591	585	582	596	590	561	557	540	530	529	530	529	525	554	0	9 51	621	0 34	519	102
29				526	525	527	529	530	531	551	567	590	603	608	595	578	562	578	552	544	541	513	518	518	525	533	531	549	0	10 22	617	18 20	505	112
30	✓	✓		529	528	533	534	536	545	562	586	624	658	680	676	651	650	601	563	539	546	536	528	525	533	538	536	572	0	11 06	688	20 07	521	167
31				534	532	540	543	550	560	568	588	619	634	696	596	490	520	589	574	447	469	484	500	500	500	506	506	544	1	10 20	735	16 48	429	306
MEANS ALL DAYS				522	522	522	523	525	524	532	556	603	648	667	658	640	615	578	555	537	526	518	514	514	516	518	519	556						278
MEANS TEN DAYS *				548	547	547	550	553	560	568	587	626	656	678	679	664	638	618	603	586	574	564	557	556	556	555	556	589						167
MEANS FIVE DAYS † (G. M. T.)				546	547	548	550	550	557	565	579	617	652	678	690	672	650	625	604	586	575	549 565	546 559	543	543	544	545	586						
MEANS FIVE DAYS ‡ (G. M. T.)				488	487	485	476	468	437	450	480	534	589	604	572	556	559	503	463	448	415	416	464	466	476	485	488	492						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 114

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1938 — FEBRUARY 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				510	516	518	520	518	525	544	555	561	582	644	644	652	622	592	567	540	522	510	515	510	506	510	514	550	0	10	43	680	22 00	503	177
2				518	516	520	520	524	525	525	541	588	630	683	707	709	674	615	558	542	540	542	537	520	533	534	527	568	0	12	25	730	1 37	513	217
3				522	521	514	519	538	532	542	583	641	704	746	754	712	654	613	574	549	534	530	527	525	529	532	535	580	0	11	39	774	1 56	511	263
4				537	537	536	532	538	539	538	559	619	672	706	684	685	663	601	579	560	550	544	543	535	528	527	527	577	0	10	31	741	23 33	523	218
5	✓			531	536	538	544	542	551	556	584	616	666	697	700	692	680	647	622	593	568	555	552	550	561	600	578	594	0	10	00	713	0 34	529	184
6			✓	523	491	502	509	512	519	520	527	565	605	693	713	588	679	580	530	529	504	486	476	487	492	495	501	543	1	11	01	794	19 42	473	321
7				510	528	531	529	532	539	549	549	509	574	600	625	641	667	644	620	606	577	558	544	541	542	542	543	567	1	10	42	707	10 46	439	268
8			✓	544	537	537	548	547	553	574	615	636	689	788	814	666	529	513	578	514	491	476	491	498	480	465	462	564	1	11	17	869	13 37	450	419
9			✓	493	506	502	495	498	501	517	501	504	555	522	630	602	645	596	611	624	582	547	525	526	527	503	492	542	1	13	21	689	10 04	469	220
10			✓	484	460	494	510	510	527	541	546	562	582	619	632	632	640	645	633	607	565	545	536	510	485	460	454	549	1	14	27	648	23 03	449	199
11				466	493	497	507	505	491	488	497	526	585	615	600	637	621	613	613	596	564	537	528	526	527	524	527	545	1	12	33	678	0 24	460	218
12				521	522	524	521	533	529	531	551	603	593	627	658	663	663	655	644	612	566	542	532	528	549	540	531	572	0	13	00	684	0 50	518	166
13				525	538	540	527	537	546	544	574	615	651	714	734	683	682	668	655	645	610	576	555	540	541	540	538	595	1	11	27	782	0 03	520	262
14			✓	543	539	533	533	542	545	540	517	553	543	574	588	559	595	631	554	553	534	515	506	505	506	503	498	542	1	9	54	646	7 09	476	170
15	✓	✓		495	496	501	503	508	517	525	551	593	648	692	706	684	657	616	588	572	560	545	533	529	529	526	527	567	0	11	44	713	0 47	493	220
16	✓	✓		525	525	525	525	532	539	547	575	602	629	657	669	680	683	657	623	599	573	545	542	542	540	538	537	580	0	13	06	701	3 25	520	181
17	✓			536	533	537	536	540	542	542	566	619	682	731	742	723	698	648	619	592	574	564	557	553	548	536	542	594	0	11	43	748	1 15	531	217
18	✓			547	544	536	546	548	548	545	561	602	626	669	692	707	701	687	654	619	582	561	553	548	551	548	543	592	0	11	53	730	2 24	534	196
19	✓	✓		544	546	544	545	546	547	548	555	592	644	685	710	727	718	697	661	619	588	568	560	560	557	555	551	599	0	13	14	734	0 06	542	192
20	✓	✓		546	540	546	551	553	549	548	566	607	657	692	716	723	708	671	638	611	587	576	571	562	562	559	560	600	0	12	30	729	1 35	539	190
21	✓			553	555	556	553	565	564	555	557	598	644	687	726	739	732	713	676	636	596	571	563	561	560	557	555	607	0	12	11	741	6 58	546	195
22	✓	✓		553	553	554	556	558	560	557	559	592	635	665	675	687	684	654	642	622	588	574	567	550	537	546	551	592	0	13	25	692	21 34	527	165
23				562	566	568	561	548	564	568	580	607	638	641	566	590	614	597	596	581	559	550	542	548	546	545	544	574	1	9	42	696	11 42	528	168
24	✓			544	538	540	545	545	546	552	573	606	611	630	634	632	618	622	632	612	568	557	559	557	555	555	553	578	0	10	04	644	2 02	536	108
25				555	553	553	553	562	578	590	610	637	688	663	655	592	621	593	568	593	576	555	544	546	547	542	544	584	1	9	39	732	12 44	512	220
26				544	544	545	548	552	557	564	583	604	655	656	649	627	618	591	614	606	579	559	556	551	546	542	543	581	0	10	08	685	22 37	539	146
27				542	540	542	546	551	555	566	592	633	633	643	641	623	604	607	609	588	552	553	546	545	539	521	527	575	0	10	04	682	22 39	520	162
28				529	536	536	531	541	554	562	591	642	684	701	697	640	626	587	557	538	540	519	514	510	508	514	532	570	1	11	04	728	21 12	499	229
29																																		
30																																		
31																																		
MEANS ALL DAYS				529	529	531	533	537	541	546	561	594	632	666	677	661	653	627	608	588	562	545	538	534	533	531	530	574							210
MEANS TEN DAYS *				537	537	538	540	544	546	548	565	603	644	680	697	699	688	661	636	608	578	562	556	551	550	552	550	590							185
MEANS FIVE DAYS † (G. M. T.)				533	532	534	536	539	542	545	561	597	643	678	695	700	690	659	630	605	579	552 562	543 555	541	541	538	535	586							
MEANS FIVE DAYS ‡ (G. M. T.)				517	507	514	519	522	529	538	541	564	595	639	675	609	618	593	581	565	535	514	533	531	530	530	523	555							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 115

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1938 — MARCH 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	526	521	526	534	535	543	567	586	653	680	663	679	641	600	583	580	559	546	540	544	542	541	539	537	574	1	9	51	709	0 56	513	196
2				535	542	537	545	546	546	557	595	650	685	700	683	650	614	598	585	577	572	565	556	550	541	528	535	583	0	10	20	715	22 11	525	190
3				539	543	542	544	548	552	562	594	655	699	700	688	635	598	569	554	568	579	573	566	561	558	552	554	585	0	10	59	720	0 00	535	185
4				552	547	546	549	551	552	563	596	650	700	732	739	705	689	642	595	576	564	552	545	553	562	556	553	599	0	10	47	761	19 55	539	222
5			✓	561	542	554	555	539	561	552	592	654	667	614	570	576	480	513	528	527	526	514	520	495	503	511	509	548	1	10	07	758	14 00	383	375
6				507	507	510	539	541	540	530	552	598	643	673	687	705	659	594	587	559	526	524	531	538	535	532	533	569	0	12	53	741	2 05	502	239
7				527	532	534	536	535	535	528	524	561	614	633	634	642	643	631	618	591	558	542	535	535	535	533	531	566	0	12	03	680	7 20	520	160
8	✓			527	533	541	541	541	541	540	554	590	631	668	679	682	671	654	636	612	573	554	554	556	554	551	547	585	0	12	06	687	0 50	526	161
9	✓			545	543	545	549	550	548	547	552	570	607	625	654	659	655	640	632	612	569	558	550	550	546	551	550	579	0	13	16	665	1 50	541	124
10	✓	✓		550	550	552	554	556	563	568	583	607	634	639	631	621	609	620	632	625	612	587	578	574	573	567	563	590	0	9	57	655	0 07	549	106
11				561	559	563	565	561	563	566	581	619	662	698	701	704	688	663	645	617	592	575	547	561	578	565	544	603	0	12	03	724	19 32	540	184
12				544	554	557	565	570	578	574	577	618	703	656	617	646	653	642	636	612	588	577	568	565	563	550	546	594	1	9	47	768	0 03	539	229
13	✓			550	550	549	550	554	552	550	569	607	659	685	688	671	653	643	633	621	599	568	559	554	550	554	554	593	0	11	05	705	22 19	541	164
14				552	546	551	554	565	563	568	578	655	708	734	743	714	687	638	617	614	600	567	539	548	546	544	544	603	0	12	08	765	19 30	533	232
15				543	542	550	551	549	549	554	577	626	696	726	754	737	663	636	601	588	583	568	557	554	554	554	550	598	0	11	46	774	1 36	539	235
16	✓	✓		547	548	548	551	554	553	555	579	642	709	743	726	712	674	631	591	580	586	577	568	560	544	543	548	599	0	10	35	749	21 34	540	209
17				549	549	549	551	554	552	556	596	667	746	803	790	762	699	635	600	592	589	577	566	562	562	558	555	613	0	10	52	832	2 13	546	286
18	✓	✓		555	553	557	560	562	560	554	583	656	721	759	758	727	681	635	598	592	594	588	576	572	567	564	562	610	0	10	54	769	1 56	551	218
19	✓	✓		558	560	561	562	566	565	566	603	674	744	789	792	759	704	648	605	595	595	585	573	568	568	568	566	620	0	11	00	798	0 48	555	243
20	✓	✓		562	563	564	564	564	564	558	578	646	718	770	786	772	732	687	650	621	599	577	567	558	558	557	556	620	0	11	55	787	23 23	555	232
21				557	560	566	568	572	574	570	594	642	681	718	739	724	672	650	631	606	640	619	585	542	547	548	544	610	0	11	53	769	24 00	521	248
22			✓	491	499	498	489	532	524	480	467	503	519	614	586	621	593	558	509	484	481	449	423	450	477	468	466	508	1	12	32	634	19 30	410	224
23			✓	487	499	504	510	523	544	529	534	581	611	617	649	641	601	504	529	511	482	462	425	468	445	463	457	524	1	12	56	694	19 30	420	274
24			✓	493	496	483	485	495	491	480	507	569	604	628	639	633	611	587	568	545	523	513	508	502	502	502	499	536	1	11	22	649	0 00	456	193
25				499	511	514	513	520	520	512	526	567	617	671	683	676	644	605	564	520	508	497	486	477	476	485	497	545	0	11	43	701	20 10	436	265
26				497	502	509	514	517	515	508	517	566	589	655	663	642	615	573	566	553	541	521	512	516	512	514	516	547	1	11	33	677	0 1-5	489	188
27				516	515	519	522	523	522	522	539	569	605	630	651	655	651	627	589	569	560	550	541	533	527	534	526	562	0	13	17	666	1 20	515	151
28				532	536	538	538	540	546	554	571	611	645	658	667	665	637	605	582	582	571	551	545	549	542	538	538	577	0	12	26	674	0 00	529	145
29				540	540	545	549	551	551	556	578	609	658	679	729	671	602	534	582	584	577	556	549	546	540	537	534	579	1	11	27	749	14 30	502	247
30	✓			537	540	544	543	548	549	558	588	635	691	726	729	702	656	612	591	588	582	565	558	555	554	551	549	594	0	11	42	733	0 00	531	202
31	✓			547	548	551	555	557	556	562	602	664	725	762	752	706	644	599	582	578	574	561	551	549	547	547	548	599	0	10	38	779	0 49	546	233
MEANS ALL DAYS				535	536	539	542	546	547	547	567	617	664	689	693	679	644	611	594	579	567	552	541	540	539	538	536	581							212
MEANS TEN DAYS *				548	549	551	553	555	555	556	579	629	684	717	720	701	668	637	615	602	588	572	563	560	556	555	554	599							189
MEANS FIVE DAYS † (G. M. T.)				554	555	556	558	560	561	560	585	645	705	740	739	718	680	644	615	603	597	575 583	564 572	561	559	559	557	607							
MEANS FIVE DAYS ‡ (G. M. T.)				512	511	513	515	525	533	522	537	592	616	627	625	622	577	549	543	525	512	496	498	505	508	510	510	541							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 116

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

APRIL 1938 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) APRIL 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			549	551	555	558	565	570	576	618	682	749	793	784	746	703	620	602	591	590	576	568	567	561	559	557	616	0	11 00	843	0 02	548	295
2	✓	✓		556	556	558	558	560	559	558	593	659	716	750	748	724	668	630	601	591	582	569	566	563	551	554	558	605	0	11 09	759	21 37	549	210
3				559	563	566	566	566	566	558	564	580	621	674	702	729	674	642	628	605	590	574	564	555	548	539	530	594	0	12 10	744	23 40	523	221
4	✓			531	541	545	549	550	554	535	552	602	645	706	715	700	668	637	595	577	571	562	555	552	548	546	547	587	0	10 49	743	0 02	528	215
5	✓	✓		548	547	550	554	556	554	556	587	641	697	739	747	730	697	660	623	602	588	574	565	559	548	545	531	604	0	11 23	751	24 00	526	225
6				519	514	517	534	536	537	545	611	668	728	760	770	743	715	643	601	606	576	566	547	523	498	514	496	594	1	11 30	783	23 37	491	292
7				522	530	539	539	544	550	535	526	550	543	638	658	692	681	654	611	573	561	552	539	537	534	531	532	570	1	12 28	701	0 02	505	196
8				536	541	545	544	545	544	550	570	613	658	686	706	695	674	654	625	597	579	561	555	552	549	546	545	590	0	11 36	724	0 10	533	191
9				544	544	547	550	552	554	571	594	595	603	666	697	703	705	679	636	605	577	548	546	545	550	546	541	592	0	13 21	725	23 10	539	186
10				547	550	554	555	551	562	558	556	583	625	661	641	644	633	620	619	599	581	562	556	554	550	547	546	581	0	10 34	679	0 06	542	137
11				545	548	546	548	557	570	586	608	655	696	696	706	597	542	575	590	588	575	570	561	554	547	544	540	585	1	11 44	775	13 05	512	263
12				551	539	544	550	549	547	557	593	623	685	713	705	673	642	611	637	606	582	566	556	551	545	539	537	592	1	11 12	721	2 03	535	186
13			✓	537	539	546	547	557	556	581	645	692	713	716	723	619	622	610	625	590	541	457	470	470	459	466	450	572	1	11 02	822	24 00	420	402
14			✓	435	492	502	517	533	530	575	601	604	648	670	643	600	632	636	624	579	547	528	533	535	522	530	528	564	1	10 08	706	0 12	403	303
15				524	523	528	533	532	528	529	563	610	681	697	679	641	597	579	579	580	559	539	528	533	540	538	537	570	0	9 55	731	6 06	518	213
16			✓	569	721	98	211	285	287	335	433	477	512	492	488	521	516	505	477	477	449	449	444	449	451	457	457	440	2	1 14	1122	2 42	-199	1321
17			✓	468	470	470	473	477	477	490	521	579	649	680	679	627	580	568	548	501	493	506	493	479	482	489	497	529	1	11 00	723	0 00	464	259
18				502	498	500	502	502	502	508	544	607	662	716	730	684	653	606	535	513	518	497	477	472	497	500	497	551	0	10 54	751	20 19	467	284
19				503	506	510	512	514	510	524	556	617	692	738	723	685	657	602	557	541	527	522	531	518	515	515	517	566	0	10 30	757	0 09	496	261
20	✓			525	525	525	525	525	526	518	527	583	647	698	720	724	679	631	584	559	541	532	526	519	529	521	516	571	0	12 38	735	22 47	514	221
21	✓			517	523	527	528	535	534	531	553	583	624	654	665	691	657	607	578	565	544	523	517	515	511	520	517	563	0	12 42	708	21 35	505	203
22				517	522	522	528	528	530	530	569	589	625	667	729	768	699	603	543	529	529	521	514	504	515	515	515	567	0	12 42	794	20 14	493	301
23			✓	517	526	515	523	514	504	488	498	491	514	583	596	626	604	592	527	498	505	505	506	489	483	520	514	527	1	12 26	649	9 06	461	188
24				502	506	516	518	520	521	533	539	566	614	657	657	657	601	587	567	551	536	523	521	528	524	498	493	551	0	10 56	671	23 57	489	182
25				504	523	523	523	517	517	539	547	574	607	655	660	632	595	570	553	541	522	507	496	498	502	509	515	547	0	10 53	690	0 08	489	201
26				519	525	532	532	533	538	559	572	626	651	679	687	683	659	636	611	588	572	553	544	536	538	535	536	581	0	11 42	693	0 17	517	176
27	✓			536	538	542	549	547	547	552	570	602	640	677	694	657	635	617	601	582	564	551	547	542	540	544	541	580	0	11 50	704	0 50	532	172
28	✓	✓		542	543	545	547	541	544	544	566	614	671	712	708	700	649	609	585	579	570	558	553	547	547	547	546	586	0	11 56	729	4 37	537	192
29	✓	✓		541	548	549	549	553	553	558	584	633	683	725	720	691	652	615	586	579	577	569	564	561	556	554	554	594	0	10 42	737	029	538	199
30	✓	✓		555	555	555	555	557	556	567	600	640	685	710	684	640	624	606	594	581	573	559	554	553	551	551	551	590	0	10 09	718	23 00	549	169
31																																		
MEANS ALL DAYS				527	537	519	526	530	531	538	565	605	649	687	692	674	644	613	588	569	554	539	533	529	526	527	525	572						262
MEANS TEN DAYS *				540	543	545	547	549	550	550	575	624	676	716	718	700	663	623	595	581	570	557	552	548	544	544	542	590						210
MEANS FIVE DAYS (G. M. T.) †				548	550	551	553	553	553	557	586	637	690	727	721	697	658	624	598	586	578	563 566	557 560	554	550	550	549	596						
MEANS FIVE DAYS (G. M. T.) ‡				505	550	426	454	473	471	494	540	569	607	628	626	599	591	582	560	529	507	489	502	501	502	503	499	529						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 117

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MAY 1938 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) MAY 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		548	548	551	552	550	554	559	581	619	664	698	720	726	700	658	609	582	562	544	543	546	546	538	543	593	0	12	34	737	22	43	533	204
2				549	550	551	546	551	543	546	553	600	609	652	709	713	693	650	609	582	564	547	541	545	546	542	531	584	0	11	55	728	23	15	525	203
3				527	520	525	527	526	534	528	532	557	619	695	693	666	627	557	534	552	519	499	488	466	448	469	514	547	0	10	38	728	21	55	440	288
4			✓	499	499	515	526	520	521	536	562	608	625	687	593	681	697	649	563	538	526	525	523	511	524	519	509	561	1	10	24	796	0	24	495	301
5				516	520	523	528	530	528	522	527	554	601	654	665	642	618	590	567	565	536	524	512	509	513	518	540	554	0	10	42	682	20	47	505	177
6				532	526	528	537	541	552	555	566	608	640	648	687	713	689	645	603	573	555	543	539	537	534	532	532	580	0	11	29	734	1	53	519	215
7	✓			531	533	534	535	540	542	542	557	575	603	655	677	648	645	627	601	579	560	552	551	550	545	545	544	574	0	11	33	692	3	08	528	164
8	✓	✓		542	541	553	553	556	561	573	594	615	639	679	709	731	710	680	641	594	565	559	554	551	548	546	544	597	0	12	54	735	1	05	538	197
9	✓			545	548	548	547	550	554	569	586	606	631	658	693	698	688	659	631	603	567	542	544	545	553	552	551	590	0	12	39	706	20	29	542	164
10				535	541	549	552	553	556	572	601	622	642	664	675	675	663	640	613	590	569	557	555	557	547	536	548	588	0	11	35	690	0	36	531	159
11			✓	557	557	555	563	567	565	582	608	639	662	695	732	775	639	502	361	229	237	228	296	333	356	381	378	500	2	12	55	985	17	13	154	831
12			✓	427	423	414	398	429	442	447	455	457	464	477	487	468	488	508	507	498	454	427	467	444	454	460	473	457	2	13	38	516	3	26	388	128
13				477	482	485	487	488	490	503	522	549	591	604	611	612	599	574	552	530	518	506	497	493	487	472	485	526	0	12	03	618	22	20	468	150
14			✓	496	500	501	502	512	524	506	510	503	558	554	665	677	632	579	543	498	457	457	481	470	484	477	495	524	1	12	22	695	18	25	433	262
15				500	486	493	501	503	502	501	515	547	600	664	699	715	660	617	565	533	508	510	512	510	513	512	525	550	1	12	32	731	1	08	481	250
16				513	526	513	521	521	512	508	530	572	618	650	660	679	632	588	549	527	519	513	507	518	507	518	515	551	0	12	20	688	19	58	496	192
17				511	528	524	517	518	523	522	532	548	592	619	655	651	654	589	543	526	533	529	523	519	525	520	528	551	0	11	39	671	1	00	510	161
18				525	522	532	530	529	529	536	548	566	599	639	665	662	627	598	563	545	538	534	534	534	532	528	526	560	0	11	52	673	1	07	517	156
19	✓			528	530	533	533	534	534	534	542	564	602	628	655	658	646	602	566	547	541	534	530	528	529	530	532	561	0	11	43	674	0	00	526	148
20	✓	✓		533	535	536	537	539	541	545	562	580	613	655	683	686	655	609	565	551	549	547	543	542	540	536	537	572	0	12	26	689	0	27	532	157
21	✓			541	539	538	545	559	554	552	555	583	618	660	667	656	645	620	597	576	562	558	556	556	551	545	550	578	0	10	52	678	1	25	534	144
22				547	549	549	549	549	548	540	545	558	610	658	633	652	642	620	580	562	555	550	547	547	545	547	549	572	0	10	49	678	7	09	536	142
23	✓	✓		554	559	562	563	565	565	562	567	577	610	635	654	665	650	626	607	592	577	569	569	562	558	557	557	586	0	12	33	672	0	03	548	124
24				558	558	560	558	560	570	569	591	592	597	611	681	572	546	586	618	590	560	537	551	549	547	554	543	573	1	11	04	709	12	47	520	189
25				562	568	563	563	558	556	567	586	613	625	634	625	620	633	615	602	591	559	552	552	554	556	547	538	581	0	10	36	645	23	30	535	110
26	✓	✓		537	538	547	547	546	552	571	592	607	625	636	646	633	622	607	591	578	567	558	558	557	553	551	549	578	0	11	33	662	0	03	536	126
27				549	549	551	553	551	556	574	585	610	642	657	650	652	607	580	585	586	576	556	549	551	547	551	560	580	0	11	57	684	1	40	546	138
28				561	544	558	547	557	556	588	615	645	695	727	703	659	628	607	600	548	556	551	549	534	508	491	491	584	1	10	52	763	22	44	487	276
29			✓	482	509	500	518	523	510	525	527	556	556	576	602	556	582	588	572	538	508	489	502	511	514	518	523	533	1	11	10	674	0	44	477	197
30				525	526	523	537	537	534	536	553	565	571	601	628	626	608	582	558	547	538	533	521	511	508	516	522	550	0	12	00	638	20	50	506	132
31	✓			522	524	532	539	539	541	551	574	604	634	670	693	683	653	607	566	545	540	536	537	535	529	529	536	572	0	11	53	699	0	04	521	178
MEANS ALL DAYS				527	528	531	533	536	537	543	557	581	611	643	662	660	638	605	573	548	531	521	524	522	521	521	525	562								202
MEANS TEN DAYS ✱				538	540	543	545	548	550	556	571	593	624	657	680	678	661	630	597	575	559	550	548	547	545	543	544	580								161
MEANS FIVE DAYS † (G. M. T.)				543	544	550	550	551	555	562	579	600	630	661	682	688	667	636	603	579	564	549 555	547 553	546	545	544	543	584							
MEANS FIVE DAYS ‡ (G. M. T.)				492	498	497	501	510	512	519	532	553	573	598	616	631	608	565	509	460	436	425	477	477	469	470	483	517							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

TABLE 118

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				537	537	543	545	544	546	551	569	582	614	642	650	635	615	578	551	551	554	551	546	544	541	537	545	567	0	11	47 658	2	15 535	123
2			✓	546	545	550	558	557	555	557	559	576	617	684	677	645	624	618	559	514	485	498	506	507	518	521	524	562	0	11	02 707	17	10 478	229
3				528	533	535	533	536	540	548	554	565	584	608	628	633	630	612	585	559	537	528	533	539	533	544	543	561	0	13	01 639	0	00 524	115
4	✓	✓		548	551	552	550	547	554	563	579	594	619	643	652	633	620	607	598	587	571	561	561	555	533	519	519	575	0	11	46 656	23	07 510	146
5				539	544	543	552	557	566	588	596	604	620	632	639	626	617	605	592	583	572	562	557	555	553	551	551	579	0	11	24 652	0	05 527	125
6				551	553	553	560	562	565	579	598	614	633	582	603	608	610	598	582	582	577	564	559	557	555	554	553	577	0	9	43 650	0	00 550	100
7				553	556	561	561	558	559	568	586	611	632	640	630	611	606	599	596	584	623	606	577	553	542	548	553	584	0	10	20 648	23	02 533	115
8			✓	526	515	526	549	551	555	570	584	581	589	597	623	605	615	599	586	583	552	541	539	544	544	542	551	565	1	13	40 657	1	29 507	150
9				565	564	565	573	562	566	587	598	605	616	628	649	638	616	601	596	587	576	568	566	564	559	557	555	586	0	11	44 674	0	00 553	121
10				557	561	562	559	554	559	567	573	597	644	659	671	651	613	550	522	514	513	519	533	536	514	513	524	565	0	11	32 692	22	27 504	188
11			✓	523	527	533	536	537	544	579	610	649	677	668	661	658	615	587	582	550	545	540	558	530	534	529	542	576	1	10	55 714	22	21 518	196
12			✓	529	525	535	543	541	537	541	562	593	640	657	665	659	679	598	551	540	544	553	533	522	516	542	516	568	1	13	00 734	23	45 499	235
13			✓	514	517	530	544	550	541	537	577	590	631	670	681	640	628	583	562	548	531	531	542	533	524	522	524	565	1	10	45 704	0	13 501	203
14				524	530	531	533	536	542	552	569	588	609	625	643	631	602	575	555	546	546	541	545	543	539	540	541	562	0	11	16 647	0	22 523	124
15	✓	✓		541	543	545	545	547	550	560	579	594	615	637	665	672	659	625	587	556	545	547	543	541	540	540	541	576	0	12	30 677	22	34 539	138
16				545	545	545	554	558	551	558	578	598	621	610	622	610	605	595	574	559	539	530	529	528	522	529	539	564	0	9	28 634	21	35 519	115
17				547	547	548	550	552	552	562	575	598	608	630	641	641	636	590	572	558	547	545	541	538	541	543	545	571	0	12	55 650	20	30 537	113
18	✓			549	550	550	561	560	560	576	594	619	635	653	652	640	613	597	583	573	562	556	549	550	549	555	556	581	0	11	14 657	0	06 547	110
19				560	563	568	568	572	572	579	600	614	643	681	700	655	651	619	591	575	569	565	568	565	561	561	562	594	0	11	36 721	0	00 557	164
20	✓			562	563	565	567	566	569	574	588	610	639	668	682	674	659	635	624	601	583	576	566	562	561	552	539	595	0	11	14 686	23	59 536	150
21				536	531	529	541	550	556	552	546	558	578	604	629	616	604	590	581	571	563	553	550	548	544	551	542	563	0	11	59 639	7	13 519	120
22				537	547	543	544	556	549	560	586	618	646	669	671	648	612	582	571	564	560	551	550	549	547	549	550	577	0	10	59 684	0	17 534	150
23	✓	✓		549	549	547	547	548	549	558	576	603	633	660	670	667	646	611	588	574	563	556	554	554	554	554	555	582	0	11	57 672	2	43 547	125
24	✓			556	556	558	568	568	571	586	599	624	644	665	672	685	652	605	576	570	562	554	549	549	546	546	546	588	0	12	06 688	23	22 545	143
25	✓			551	554	558	560	561	565	574	590	610	624	648	657	656	632	619	599	576	568	561	558	558	554	562	561	586	0	12	27 665	0	03 547	118
26	✓			558	556	557	561	574	572	583	598	626	660	677	684	665	636	609	589	572	563	556	554	554	547	548	547	589	0	11	19 689	21	12 545	144
27	✓	✓		553	555	555	556	557	560	570	589	614	649	670	675	668	637	602	578	566	567	561	561	560	558	558	559	587	0	11	18 681	0	02 547	134
28	✓	✓		560	560	560	563	565	568	583	612	644	673	701	711	698	664	624	580	561	556	556	558	560	562	560	561	598	0	11	16 716	18	03 554	162
29				561	556	567	565	567	568	572	591	613	630	669	668	655	625	587	550	543	543	546	548	551	547	539	545	579	0	10	12 678	22	49 535	143
30				539	545	544	547	553	558	564	578	602	632	670	689	682	667	630	595	575	566	562	557	544	544	554	531	584	0	11	42 705	24	00 523	182
31																																		
MEANS ALL DAYS				545	546	549	553	555	557	567	583	603	628	648	659	647	630	601	578	564	556	551	550	546	543	544	544	577						146
MEANS TEN DAYS ✲				553	554	555	558	559	562	573	590	614	639	662	672	666	642	613	590	574	564	558	555	554	550	549	548	586						137
MEANS FIVE DAYS † (G. M. T.)				550	552	552	552	553	556	567	587	610	638	662	675	668	645	614	586	569	560	547 556	549 555	549	545	548	548	583						
MEANS FIVE DAYS ‡ (G. M. T.)				528	526	535	546	547	546	557	578	598	631	655	661	641	632	597	568	547	531	533	549	537	529	534	536	568						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 110

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JULY 1938 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JULY 1938

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				519	536	536	548	548	543	530	534	546	582	611	642	634	617	580	642	520	513	531	523	524	525	530	531	556	1	11	12664	16	59508	156
2				544	520	529	537	532	531	547	562	582	612	637	655	649	631	599	571	555	551	546	543	538	538	541	539	566	0	11	00666	1	21518	148
3	✓	✓		555	551	546	548	549	549	546	557	579	612	652	675	681	662	631	594	574	567	564	560	560	553	544	534	581	0	12	24685	24	00529	156
4			✓	525	525	533	529	532	536	536	577	557	512	588	635	653	656	601	526	474	514	535	536	537	534	534	540	551	1	13	01720	16	57448	272
5				525	520	525	525	529	533	556	567	597	589	627	637	645	653	613	593	572	550	550	554	554	559	539	532	568	1	13	35660	0	47508	152
6				517	520	520	518	531	531	544	568	582	595	639	658	643	601	582	575	561	547	539	539	540	538	538	539	561	0	11	16689	0	09512	177
7	✓			536	541	542	543	544	547	562	591	617	641	671	679	682	662	630	597	567	540	536	538	538	535	541	544	580	0	12	02691	22	03532	159
8				542	540	542	538	543	546	557	577	605	625	637	659	652	628	607	579	566	555	548	549	546	544	544	546	574	0	12	10664	3	10537	127
9				547	549	552	555	556	555	570	594	613	643	680	697	695	660	618	604	583	563	531	502	503	535	537	526	582	0	11	39713	19	35482	231
10			✓	518	512	520	527	538	544	557	581	599	598	635	652	689	635	593	575	555	545	531	529	530	532	534	536	565	1	12	51743	0	56504	239
11				539	541	542	542	544	545	550	560	573	593	629	651	658	641	606	580	568	564	559	553	553	552	553	551	573	0	13	12666	0	30537	129
12				555	556	557	555	558	558	560	575	601	636	678	696	673	662	635	618	601	579	564	564	559	557	558	560	592	0	11	30710	0	09553	157
13				563	566	570	571	574	572	569	579	578	603	618	647	648	627	618	623	606	573	523	514	515	511	494	511	574	1	11	55687	22	51479	208
14				534	531	536	538	538	542	559	574	559	606	647	657	655	625	596	560	539	534	531	533	537	527	542	539	564	1	10	35675	21	55520	155
15			✓	544	567	550	561	526	511	496	514	551	584	584	614	574	578	523	465	401	395	391	413	438	453	459	476	507	2	11	35698	16	58358	340
16			✓	487	490	486	487	489	502	491	509	525	556	616	625	639	592	558	509	511	519	511	509	505	504	506	501	526	1	12	23680	14	52479	201
17				503	508	508	511	512	515	521	536	566	605	645	666	677	663	606	573	548	533	527	526	525	524	524	524	556	0	12	51681	0	19500	181
18	✓			524	524	530	531	529	530	542	554	572	609	631	651	646	629	603	575	555	545	541	532	514	522	527	528	560	0	11	06669	20	38511	158
19				532	538	539	539	535	535	541	550	566	614	640	646	651	639	618	595	572	556	541	541	539	537	537	537	568	0	12	32659	0	01529	130
20				527	532	543	549	543	546	560	577	599	620	646	666	683	682	657	615	584	552	533	534	537	541	539	537	579	0	12	03692	0	51523	169
21				540	545	543	544	545	546	562	593	634	674	693	694	655	633	602	580	561	554	551	549	548	546	547	547	583	0	11	22706	0	25537	169
22	✓			546	549	557	553	551	552	561	577	598	614	629	643	633	599	610	598	580	562	551	548	546	545	539	533	574	0	11	21650	23	30532	118
23	✓			530	534	538	543	543	549	568	597	626	653	693	693	666	637	615	585	560	551	546	545	543	541	548	549	581	0	11	24714	0	40528	186
24	✓			554	555	556	559	562	565	583	613	646	672	684	687	677	649	623	602	580	575	568	560	551	556	557	559	596	0	10	39694	20	16545	149
25	✓	✓		557	556	557	558	561	564	578	598	638	680	718	722	707	695	661	623	588	568	559	559	559	558	558	557	603	0	10	55724	23	54555	169
26	✓	✓		555	553	555	559	560	560	568	581	596	617	636	654	653	638	611	577	560	561	559	557	558	558	560	564	581	0	11	55659	1	04552	107
27	✓	✓		559	553	554	559	564	546	589	616	631	642	543	647	639	637	616	601	583	575	568	565	562	562	561	561	589	0	11	41657	0	52551	106
28	✓	✓		561	561	561	563	565	568	586	615	646	664	687	700	698	665	616	585	573	573	569	568	566	563	565	566	599	0	12	14721	0	20559	162
29				566	570	578	579	581	580	587	597	605	612	671	713	699	680	663	630	590	570	547	546	531	536	528	532	595	0	11	18742	23	13524	218
30			✓	477	461	486	474	464	454	463	522	552	550	589	610	612	593	586	539	506	489	472	481	493	498	493	496	515	1	14	40627	0	59442	185
31				500	504	507	511	518	521	515	520	534	572	622	662	675	662	617	582	560	544	533	533	535	534	527	524	555	0	12	34680	0	00498	182
MEANS ALL DAYS				535	536	539	540	541	541	550	570	589	612	644	662	659	640	609	583	557	546	537	536	535	536	536	536	570						174
MEANS TEN DAYS ✻				548	548	550	552	553	553	568	590	615	640	664	675	668	647	622	594	572	562	556	553	550	549	550	550	584						147
MEANS FIVE DAYS † (G. M. T.)				557	555	555	557	560	557	573	593	618	643	667	680	676	659	627	596	576	569	560 564	557 562	554	554	555	556	590						
MEANS FIVE DAYS ‡ (G. M. T.)				510	511	515	516	510	509	509	541	557	560	602	627	633	611	572	523	489	492	488	511	514	521	522	521	536						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 120

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				527	523	532	555	557	553	552	568	589	614	614	644	638	606	610	596	537	513	497	500	473	464	454	493	550	1	11	59 708	22	12 438	270
2				499	504	508	515	517	525	546	553	574	605	625	652	631	623	581	552	535	521	503	498	505	509	527	527	547	0	11	02 657	19	05 490	167
3			✓	530	533	528	534	537	539	552	565	589	619	654	690	718	678	644	607	588	511	453	447	471	489	500	502	562	1	12	11 745	18	49 414	331
4			✓	503	457	467	475	482	474	484	518	581	601	631	669	622	584	561	532	509	481	472	500	479	483	491	495	523	1	11	53 702	1	33 434	268
5				507	489	498	504	506	513	530	559	601	634	631	627	653	664	619	575	544	520	510	514	520	511	524	520	553	1	12	13 687	1	53 485	202
6				515	520	524	524	534	535	535	546	564	594	612	619	630	619	582	569	557	544	527	530	524	521	517	529	553	0	11	53 650	22	59 513	137
7				525	524	534	536	533	532	544	578	598	646	681	649	680	654	625	599	574	559	547	540	539	536	536	540	575	0	11	00 698	1	08 521	177
8				537	544	548	550	555	556	558	570	590	627	669	702	713	685	613	571	558	555	549	551	549	548	549	550	583	0	12	39 716	0	53 535	181
9	✓			548	547	547	552	555	559	577	605	630	654	679	710	716	691	647	599	576	564	558	554	551	547	556	560	595	0	12	45 720	2	14 546	174
10				553	551	557	554	565	572	583	599	620	654	675	705	669	648	631	604	587	572	557	547	537	533	551	557	591	0	11	47 724	21	20 530	194
11			✓	560	564	560	557	553	518	492	496	506	561	565	548	576	621	589	550	516	477	469	481	489	494	503	519	532	1	13	22 677	7	42 461	216
12				519	516	515	522	527	528	546	549	561	587	594	613	605	614	584	565	555	542	532	525	522	524	526	547	551	1	12	02 668	1	13 504	164
13				537	534	540	546	544	543	553	570	576	591	619	646	662	668	641	608	578	560	553	548	544	543	542	547	575	0	13	30 679	0	18 530	149
14				549	550	550	553	557	557	564	576	569	596	642	668	673	657	646	611	578	553	544	544	543	542	543	545	580	0	12	26 684	21	54 541	143
15	✓	✓		546	548	547	546	547	550	553	572	593	616	640	659	674	674	664	629	589	564	556	552	552	552	549	546	584	0	12	37 685	23	18 545	140
16	✓	✓		548	553	557	557	555	554	554	559	573	603	637	659	664	655	649	629	603	580	564	562	561	559	559	561	586	0	12	10 667	0	17 546	121
17	✓			561	561	559	564	566	566	578	597	631	646	650	680	687	670	644	602	568	550	541	532	530	537	541	542	588	0	11	57 701	20	04 525	176
18	✓	✓		548	552	552	556	561	564	570	579	597	613	632	660	680	666	638	615	599	584	571	568	564	559	550	549	589	0	12	43 685	0	00 545	140
19	✓			547	552	557	558	559	568	584	594	613	640	682	694	698	671	648	624	590	571	560	557	556	555	553	553	595	0	12	05 706	0	22 545	161
20	✓	✓		549	554	560	562	563	566	575	591	621	650	670	683	691	686	660	632	603	584	575	571	569	568	568	563	601	0	12	32 700	0	36 546	154
21				564	563	561	568	575	579	582	594	598	631	671	729	725	686	610	581	573	559	548	548	549	544	547	548	593	0	11	39 739	21	40 541	198
22			✓	545	545	547	552	556	563	580	595	618	715	658	695	623	668	650	576	599	584	565	554	553	545	523	519	589	1	9	00 786	23	16 511	275
23			✓	536	538	545	529	555	575	559	578	624	652	672	663	643	634	613	600	575	555	542	540	537	535	530	530	578	1	9	30 744	0	01 521	223
24				530	537	537	544	544	552	559	569	613	640	676	692	697	675	642	617	593	570	525	502	513	518	525	524	579	0	11	51 713	19	17 497	216
25				524	534	539	541	545	550	568	590	614	632	645	665	643	640	601	574	560	555	551	545	544	545	546	546	575	0	11	44 680	0	05 520	160
26	✓			551	550	550	553	556	557	568	600	640	690	725	748	737	708	669	612	586	568	553	549	549	551	549	552	603	0	11	13 752	0	00 547	205
27	✓	✓		553	554	555	557	559	563	570	586	619	660	686	695	697	685	659	[illegible]	591	577	568	565	561	557	556	555	598	0	11	06 706	0	18 552	154
28				559	559	561	567	572	574	584	605	622	673	723	724	743	719	691	642	589	571	568	555	544	541	553	561	608	0	12	32 780	21	03 534	246
29				557	555	570	582	569	569	567	579	614	658	696	725	746	718	657	612	577	571	566	540	535	537	519	550	599	0	13	19 763	22	25 511	252
30				547	548	547	545	549	555	550	555	587	588	633	658	676	655	623	593	579	566	559	552	549	546	537	536	576	0	12	02 692	22	15 534	158
31	✓			546	554	547	546	546	549	557	587	605	635	646	666	671	664	643	620	597	577	561	556	558	557	554	551	587	0	12	25 681	0	00 537	144
MEANS ALL DAYS				539	539	542	545	548	550	557	574	598	630	653	672	674	661	630	597	573	553	540	536	535	534	535	539	577						190
MEANS TEN DAYS ✱				550	552	553	555	557	560	569	587	612	641	665	685	692	677	652	618	590	572	561	557	555	554	554	553	592						157
MEANS FIVE DAYS (G. M. T.) †				549	552	554	556	557	559	564	577	601	628	653	671	681	673	654	624	597	578	551 567	547 564	546	547	547	548	589						
MEANS FIVE DAYS (G. M. T.) ‡				535	527	529	529	537	534	533	550	584	630	636	653	636	637	611	573	557	522	500	519	523	524	530	531	560						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 121

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

SEPTEMBER 1938 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) SEPTEMBER 1938

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		552	550	551	553	559	555	556	573	616	642	669	694	711	667	649	618	599	585	565	559	559	557	554	554	594	0	12	15	733	3 14	548	185
2	✓			554	558	563	562	563	565	572	584	621	656	709	728	725	701	670	639	610	590	570	560	556	557	554	553	605	0	11	21	735	23 31	547	188
3				554	549	546	542	556	539	531	505	522	560	597	633	655	633	617	605	593	564	539	541	541	540	540	541	564	0	12	25	664	7 49	497	167
4	✓			541	544	546	548	557	563	566	576	603	651	700	682	712	677	641	612	583	566	552	548	537	536	539	547	589	0	10	29	728	21 07	534	194
5				544	540	545	548	563	568	565	588	638	652	670	630	644	661	642	614	588	565	551	547	547	548	547	545	585	1	10	29	724	1 00	537	187
6	✓	✓		546	547	550	551	555	559	568	589	623	650	671	691	695	695	669	649	620	595	581	574	570	569	565	559	602	0	13	17	708	1 00	544	164
7				557	555	551	554	559	564	570	593	636	666	712	761	687	697	670	639	599	575	560	552	541	530	532	538	600	1	11	20	794	21 22	529	265
8	✓			543	544	550	547	545	556	570	606	659	715	743	737	703	686	624	614	601	583	568	565	566	565	564	559	605	0	11	20	762	0 00	541	221
9				559	559	559	568	567	569	564	577	606	664	714	702	717	669	627	602	579	571	558	548	540	537	541	550	594	0	12	39	763	21 34	536	227
10				556	555	549	551	553	556	570	588	631	673	701	704	657	636	615	585	582	575	561	557	552	551	558	548	590	0	11	09	721	21 37	544	177
11				554	557	561	562	565	571	579	607	621	658	679	702	714	698	641	600	564	552	546	543	538	541	545	545	593	0	13	03	726	20 25	536	190
12				544	561	560	557	558	559	559	571	606	638	646	642	624	620	594	587	583	559	546	547	542	535	536	561	576	0	10	48	669	22 23	530	139
13				539	543	544	552	549	555	564	592	636	686	704	702	684	700	688	604	561	519	490	506	517	499	424	439	575	1	13	45	814	22 43	403	411
14			✓	475	493	504	510	514	519	526	543	585	610	658	604	547	516	500	453	445	438	421	422	420	432	446	430	500	1	10	53	762	21 22	390	372
15			✓	426	416	427	474	486	476	458	479	552	559	586	523	539	580	519	476	500	487	493	492	509	497	482	488	497	2	9	40	640	1 19	409	231
16				488	495	502	507	508	510	509	531	577	627	667	709	701	671	596	528	515	500	501	492	488	489	505	512	547	0	11	42	724	21 46	483	241
17				511	509	514	519	523	523	515	527	559	607	640	639	642	637	615	588	561	539	527	523	521	513	515	513	553	0	11	04	664	1 22	506	158
18	✓			515	519	528	528	528	530	538	566	598	620	675	698	693	670	639	602	570	544	535	530	530	528	526	522	572	0	11	00	711	0 00	513	198
19	✓	✓		528	532	534	536	535	536	537	552	579	612	644	662	662	619	603	575	567	555	543	553	547	547	548	547	569	0	12	03	688	0 13	524	164
20	✓			547	547	549	559	560	562	580	607	664	702	728	746	741	726	648	617	588	568	558	553	550	551	548	546	606	0	12	57	825	2 16	543	282
21				546	545	549	545	554	553	548	577	620	653	703	715	677	653	623	594	568	531	521	533	539	541	534	550	582	0	11	05	725	18 14	517	208
22				555	561	541	551	556	552	550	590	638	673	700	670	649	610	598	592	586	566	550	545	541	531	530	545	582	0	10	52	712	21 41	528	184
23				550	528	543	548	548	548	558	593	644	691	728	727	736	679	647	612	594	561	549	547	549	547	541	541	596	1	12	08	779	1 40	523	256
24	✓	✓		542	543	543	545	545	548	563	603	659	716	742	720	686	631	586	561	561	563	553	546	544	543	543	545	589	0	10	06	749	0 03	541	208
25	✓	✓		548	550	552	552	554	554	561	599	663	743	783	759	708	661	592	587	583	568	561	550	535	543	543	535	599	0	11	01	797	23 58	525	272
26			✓	530	536	550	540	530	515	497	491	567	624	715	695	627	580	508	492	505	501	497	486	487	481	476	485	538	1	11	44	759	14 36	460	299
27			✓	499	504	513	534	520	512	505	546	619	686	701	708	690	628	596	559	535	539	473	473	371	317	340	399	532	1	11	17	727	22 03	281	446
28			✓	413	430	442	447	456	454	459	503	548	591	666	712	646	635	598	566	541	521	502	497	495	498	498	498	526	1	11	40	775	0 00	389	386
29				483	488	506	500	498	493	501	524	590	659	715	732	709	656	612	585	547	526	514	515	515	514	513	507	558	0	12	06	742	1 10	470	272
30				503	507	515	521	523	541	529	556	551	653	641	713	710	738	611	539	469	467	446	460	462	464	459	404	541	1	13	29	813	23 46	379	434
31																																		
MEANS ALL DAYS				527	529	533	537	540	540	542	565	608	651	687	691	676	654	615	583	563	546	531	529	524	520	518	520	572							244
MEANS TEN DAYS ✻				542	543	547	548	550	553	561	586	628	671	706	712	704	673	632	607	588	572	559	554	549	550	548	547	593							208
MEANS FIVE DAYS † (G. M. T.)				543	544	546	547	550	550	557	583	628	673	702	705	692	655	620	598	586	573	550 561	545 556	546	545	542	541	589							
MEANS FIVE DAYS ‡ (G. M. T.)				469	476	487	501	501	495	489	512	574	614	665	648	610	588	544	509	505	497	477	487	466	454	446	458	520							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 122

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1938

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	421	466	466	464	460	465	479	506	555	601	668	707	718	686	642	584	541	517	508	492	495	496	511	507	540	1	12	50	752	0 00	396	356
2				492	496	502	509	511	511	511	532	591	672	691	700	719	650	599	575	545	524	506	501	514	507	518	511	558	0	12	36	734	0 41	489	245
3				514	521	523	523	522	523	528	539	587	647	712	740	710	691	625	550	512	506	500	503	502	500	500	498	562	0	11	03	755	22 42	494	261
4				505	520	518	515	522	525	519	532	594	647	684	695	678	633	609	597	572	551	542	535	532	529	527	526	567	0	10	51	710	0 18	502	208
5	✓	✓		527	528	528	528	530	532	536	569	623	690	720	714	685	649	622	600	582	564	549	545	543	542	543	536	583	0	10	38	731	0 10	526	205
6				540	550	539	541	542	548	560	615	683	725	781	733	708	618	585	568	566	562	553	548	546	542	537	528	592	0	10	35	818	23 30	526	292
7			✓	525	526	515	520	518	521	512	532	555	523	561	585	449	426	415	401	405	385	356	361	397	441	436	396	469	1	11	10	633	18 50	346	287
8			✓	369	419	435	456	464	460	475	494	568	629	662	633	616	583	548	541	517	506	496	493	498	493	487	485	514	1	10	47	687	0 22	362	325
9				489	487	496	493	508	508	500	551	625	683	685	687	641	597	575	554	533	523	517	509	508	502	500	500	549	0	11	16	711	1 20	483	228
10				502	508	512	515	520	523	534	583	649	689	690	680	644	599	561	539	545	544	538	524	516	518	510	504	560	0	9	45	701	0 00	498	203
11				508	530	522	519	521	524	532	575	625	686	707	682	641	590	549	558	555	545	539	535	534	532	529	526	565	0	10	34	717	0 16	502	215
12	✓			528	535	541	539	536	536	543	594	671	734	767	748	707	657	613	574	558	557	557	557	553	551	546	545	594	0	10	24	774	0 05	527	247
13	✓			542	542	548	551	551	550	552	581	648	713	757	772	748	683	616	589	566	560	557	555	555	554	553	551	600	0	11	27	785	1 10	541	244
14	✓	✓		552	553	553	552	555	558	552	568	625	685	731	742	723	685	645	601	570	565	567	562	559	559	557	557	599	0	10	43	761	6 50	548	213
15	✓	✓		554	552	553	554	557	559	542	555	613	652	697	729	722	694	658	611	577	560	552	539	530	529	530	537	590	0	11	34	738	21 00	527	211
16				541	539	539	541	551	541	528	520	568	593	619	651	637	632	588	568	539	529	507	522	527	532	528	525	557	1	11	30	661	7 46	488	173
17				528	535	535	532	536	538	526	544	569	633	666	687	671	624	613	599	588	577	572	566	563	559	554	554	578	0	11	31	708	6 39	522	186
18	✓			556	558	557	557	553	549	545	572	620	659	689	695	673	652	609	597	589	570	554	545	537	529	531	532	584	0	11	09	723	21 57	526	197
19				551	555	554	550	549	550	543	566	606	668	679	679	681	626	613	611	586	560	547	549	553	551	549	538	584	0	9	53	715	24 00	524	191
20				540	551	555	544	549	547	558	595	659	680	690	683	661	620	572	570	575	568	555	551	545	546	544	548	584	0	11	02	721	0 05	524	197
21	✓	✓		550	551	552	553	553	550	556	600	651	711	737	724	664	623	599	590	578	573	567	557	557	554	551	553	594	0	10	31	754	6 19	544	210
22	✓			551	552	548	548	550	552	565	621	680	741	755	751	712	651	623	599	579	571	564	560	559	559	568	568	605	0	10	43	767	2 44	545	222
23				570	553	545	561	559	542	534	586	605	683	695	673	700	633	624	577	566	545	548	539	547	546	536	543	584	1	10	08	736	6 03	522	214
24				541	539	541	543	549	549	541	552	595	659	638	637	644	634	607	575	539	520	502	463	486	516	504	508	558	1	9	53	721	19 35	458	263
25			✓	515	519	517	526	519	513	522	557	539	619	689	681	651	617	593	551	533	526	529	521	530	528	509	505	555	1	10	24	730	23 37	502	228
26			✓	507	523	522	516	518	517	525	583	640	661	700	686	606	629	590	535	503	508	516	502	502	523	511	500	555	1	10	57	733	16 50	494	239
27				489	494	502	515	521	517	512	543	577	668	714	718	687	632	588	550	542	533	509	490	503	508	511	521	556	1	10	30	764	19 27	484	280
28				519	517	515	524	519	523	522	572	614	623	698	692	693	649	625	576	536	525	520	523	522	528	527	522	566	1	11	19	730	6 13	511	219
29				521	521	524	522	523	523	532	574	623	678	690	716	720	671	603	563	554	544	545	530	527	530	530	532	575	0	12	23	748	1 34	517	231
30	✓			530	530	532	530	528	528	536	580	636	694	730	737	750	715	653	602	569	555	551	546	541	538	539	539	591	0	12	24	755	5 57	525	230
31	✓	✓		541	540	538	540	542	539	530	537	571	612	647	681	697	696	669	619	584	566	556	546	543	536	528	530	579	0	12	53	704	22 57	526	178
MEANS ALL DAYS				520	526	527	528	530	530	531	562	612	663	695	698	676	637	601	572	552	540	532	525	527	528	526	523	569							232
MEANS TEN DAYS ✲				543	544	545	545	546	545	546	578	634	689	723	729	708	670	631	598	575	564	557	551	548	545	545	545	592							216
MEANS FIVE DAYS † (G. M. T.)				545	545	545	545	547	548	543	566	617	670	706	718	698	669	639	604	578	566	554 558	550 550	546	545	544	544	589							
MEANS FIVE DAYS ‡ (G. M. T.)				467	491	491	496	496	495	503	534	571	607	656	658	608	588	558	522	500	488	481	471	484	498	489	468	526							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 123

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				535	536	537	539	545	546	544	572	618	594	653	677	683	677	664	630	595	580	571	568	566	565	565	562	588	0	12	24 692	0	00 533	159
2				554	551	550	551	553	550	547	560	616	688	683	645	656	669	654	633	605	570	559	556	555	553	550	549	590	0	9	12 726	6	36 541	185
3	✓	✓		546	543	546	541	540	547	551	595	659	678	688	699	690	659	636	609	578	568	566	561	559	557	557	557	593	0	12	14 706	4	04 535	171
4	✓			553	551	559	559	560	552	567	591	661	716	731	733	705	673	630	606	589	576	568	564	560	554	553	555	603	0	11	07 743	5	47 546	197
5	✓			554	551	553	555	559	560	572	620	680	723	728	706	672	632	610	586	578	573	566	559	555	553	555	546	598	0	10	27 734	23	31 543	191
6	✓			546	544	543	542	541	544	559	603	654	706	724	718	683	662	636	606	593	577	560	558	557	554	549	547	596	0	11	01 735	4	24 539	196
7				546	543	540	544	545	546	553	585	634	679	704	705	676	660	625	601	570	556	558	550	539	532	538	531	586	0	10	31 716	21	54 528	188
8			✓	533	536	530	529	542	541	547	565	576	601	635	586	585	621	605	596	550	490	450	476	480	513	498	483	544	1	10	47 697	18	21 447	250
9			✓	482	500	521	511	514	516	521	544	588	599	628	636	596	567	540	529	524	517	493	472	476	501	510	508	533	1	11	10 683	19	36 466	217
10				502	503	506	509	512	515	525	557	614	659	691	692	673	646	609	573	552	546	542	537	533	531	537	535	567	0	10	57 709	0	55 501	208
11	✓			530	531	533	533	535	533	534	561	619	674	716	737	718	685	656	598	567	556	549	544	542	546	545	547	587	0	12	07 742	5	58 525	217
12	✓	✓		546	548	550	551	551	542	533	556	616	675	713	721	711	683	645	608	584	573	571	563	560	550	550	551	594	0	11	03 726	6	23 530	196
13	✓	✓		553	551	549	548	552	547	537	561	616	682	732	747	736	702	656	610	583	573	573	567	566	568	563	559	601	0	11	54 750	6	26 530	220
14				560	560	559	561	563	559	547	547	579	656	695	719	724	693	630	557	513	511	502	496	500	510	515	517	574	0	12	05 744	19	31 491	253
15				521	521	524	528	531	524	500	492	518	555	594	617	629	627	628	608	567	541	535	532	533	531	531	532	551	0	13	56 646	7	00 488	158
16				535	539	544	547	544	535	518	526	546	587	615	639	647	632	622	605	596	581	559	553	546	544	538	534	568	0	12	17 659	7	10 509	150
17			✓	538	555	565	570	569	559	569	637	652	684	623	609	634	595	632	599	568	523	523	523	528	526	522	515	576	1	9	38 759	23	44 511	248
18				520	526	531	528	539	531	531	512	536	596	641	675	658	658	638	595	566	541	539	539	537	535	532	534	564	0	11	58 692	7	47 481	211
19				535	535	534	536	537	535	561	586	620	672	701	713	687	664	621	600	571	551	550	549	546	544	541	544	585	0	11	33 724	2	40 531	193
20				547	549	543	540	547	543	540	562	612	666	665	661	639	595	606	592	570	557	553	552	553	557	555	555	577	0	11	04 686	6	27 528	158
21			✓	555	554	553	556	555	547	567	567	640	647	616	671	641	598	572	563	527	528	535	535	529	518	528	522	568	1	11	59 721	22	09 508	213
22				524	522	526	526	525	523	529	557	607	641	655	677	674	650	615	583	562	549	537	533	528	526	515	517	567	0	11	38 694	22	57 511	183
23				524	527	535	536	543	530	541	556	611	648	624	599	596	568	582	591	567	540	542	541	539	539	541	535	561	1	9	08 672	0	00 521	151
24				528	521	522	534	536	543	554	601	642	675	717	699	638	559	574	554	528	504	488	498	515	515	515	520	562	0	10	33 732	18	24 485	247
25				526	528	527	528	532	531	539	557	584	632	705	699	657	617	610	591	578	555	544	543	539	529	525	534	571	0	10	34 720	22	00 521	199
26			✓	532	528	540	529	530	523	534	539	559	587	663	646	664	643	627	606	585	559	531	526	537	541	541	552	568	1	11	57 685	7	56 507	178
27				546	544	543	543	538	530	523	521	561	596	643	662	670	656	650	629	600	563	549	549	547	546	548	547	575	0	11	58 688	7	26 510	178
28	✓	✓		543	543	544	545	545	549	546	531	564	614	645	675	678	664	644	614	592	575	565	561	557	551	548	545	581	0	12	18 701	7	43 519	182
29	✓			543	544	547	550	549	555	559	581	616	672	679	684	719	708	661	629	600	570	550	548	555	557	555	556	595	0	12	09 731	0	14 542	189
30	✓	✓		555	557	559	563	565	557	555	563	594	634	658	649	632	638	631	600	595	584	568	563	561	560	559	559	586	0	10	09 667	7	07 548	119
31																																		
MEANS ALL DAYS				537	538	540	541	543	540	543	564	606	648	672	677	666	643	624	597	572	553	543	541	540	540	539	538	577						194
MEANS TEN DAYS ✲				547	546	548	549	550	549	551	576	628	677	701	707	694	671	640	607	586	572	564	559	557	555	553	552	593						188
MEANS FIVE DAYS † (G. M. T.)				549	548	550	550	551	548	544	561	610	657	687	698	689	669	642	608	586	575	556 569	552 563	552	550	550	550	589						
MEANS FIVE DAYS ‡ (G. M. T.)				528	535	542	539	542	537	548	570	603	624	633	630	624	605	595	579	551	523	506	535	531	535	531	527	561						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⃠ = NO RECORD

TABLE 124

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1938 — DECEMBER 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		559	560	560	561	561	566	575	593	624	655	674	683	695	695	685	664	640	607	587	582	574	569	563	564	608	0	14	20 713	0	41 559	154
2			✓	566	568	566	559	561	561	575	599	589	611	625	616	576	532	504	493	476	462	443	430	453	466	457	452	531	1	11	44 657	19	25 427	230
3			✓	460	467	472	483	500	507	522	550	580	616	613	583	557	564	563	507	535	503	485	475	502	506	500	509	523	1	9	57 659	0	00 455	204
4				509	511	513	511	517	526	534	547	571	605	627	646	635	615	591	583	573	555	543	539	533	531	528	522	557	0	11	24 659	0	13 506	153
5				523	531	534	537	538	547	560	559	583	595	677	701	688	680	649	614	580	553	546	545	548	546	545	543	580	0	11	18 755	0	00 520	235
6				543	545	543	540	548	553	551	564	583	614	641	646	642	625	592	589	581	566	559	550	547	551	551	548	574	0	11	00 681	3	24 533	148
7	✓			546	548	548	549	552	565	575	603	636	677	701	694	669	633	613	598	584	579	571	566	563	563	563	562	594	0	10	19 708	0	02 545	163
8	✓	✓		559	556	556	558	458	559	562	587	643	696	723	715	702	669	635	608	594	581	575	571	567	564	562	563	603	0	10	45 735	1	40 555	180
9				574	582	581	584	570	563	567	600	667	726	759	794	735	654	570	538	528	534	536	543	538	517	515	521	596	0	11	28 814	22	01 510	304
10			✓	522	525	527	532	532	544	568	627	681	753	629	651	693	591	504	468	442	465	480	493	487	494	496	501	550	1	9	47 778	15	52 415	363
11				504	506	504	506	502	506	502	530	588	641	685	701	699	658	624	581	551	539	532	526	522	526	523	522	562	0	11	16 731	6	51 487	244
12				517	509	522	524	524	526	531	540	554	623	666	677	677	664	642	597	573	550	530	526	530	532	533	532	567	0	11	32 701	1	23 502	199
13				536	531	537	535	533	537	535	556	603	650	700	706	704	682	607	570	544	540	541	540	537	528	532	539	576	0	12	42 735	6	38 522	213
14				543	541	544	545	542	542	533	534	569	628	665	680	645	648	602	557	552	557	550	545	542	546	548	541	571	0	11	07 699	7	28 522	177
15				535	541	544	543	546	552	558	572	596	617	675	702	696	664	615	589	566	561	559	557	560	562	563	563	585	0	11	35 713	1	04 531	182
16			✓	557	558	557	568	571	575	560	582	643	642	699	769	662	598	538	500	523	502	461	468	496	507	497	495	564	1	11	27 812	19	00 444	368
17				498	499	506	503	504	530	527	570	609	666	720	696	636	598	567	525	514	526	511	525	513	514	514	520	554	1	10	24 780	0	03 493	287
18			✓	519	517	515	515	528	537	558	602	635	720	708	606	567	484	436	464	511	511	510	518	513	509	512	504	542	1	9	36 756	14	45 362	394
19				505	508	501	511	514	522	545	568	606	638	648	636	593	538	514	506	503	502	498	502	508	510	518	514	538	0	10	00 688	15	51 483	205
20				512	513	511	517	520	536	567	602	657	688	678	647	590	499	532	525	527	528	528	528	526	529	528	525	555	0	9	16 698	14	00 470	228
21				519	519	515	524	525	534	543	556	596	620	621	629	630	609	585	563	556	560	556	557	545	548	537	530	562	0	12	13 642	2	18 511	131
22				513	511	500	513	522	516	551	570	636	692	706	696	647	561	507	476	489	508	524	528	530	530	526	528	553	1	10	33 736	15	49 463	273
23				530	528	528	526	526	532	552	584	621	665	691	672	635	597	573	555	543	537	536	537	536	540	542	541	568	0	10	19 695	3	59 524	171
24	✓	✓		537	533	535	533	535	542	566	604	671	745	783	777	731	670	595	566	546	549	546	543	540	537	539	542	594	0	10	39 790	3	04 531	259
25	✓			543	543	546	543	543	550	566	605	674	735	735	724	677	627	575	565	562	568	564	559	558	559	560	557	593	0	10	27 742	4	18 540	202
26	✓	✓		557	559	559	559	558	559	570	606	672	749	791	769	709	631	545	518	531	561	574	567	564	564	557	557	599	0	10	19 804	15	41 515	289
27	✓			559	561	561	560	559	560	567	599	662	726	757	741	693	640	597	568	572	563	553	557	562	561	556	555	600	0	10	31 766	18	52 549	217
28				556	558	558	559	557	560	573	603	677	718	723	717	692	655	593	563	550	554	570	579	575	571	568	567	600	0	9	40 755	16	46 536	219
29	✓			565	564	557	562	560	568	568	590	631	672	706	701	671	631	602	587	584	566	560	559	557	557	557	558	593	0	10	39 715	21	02 554	161
30	✓			559	562	562	560	563	573	584	602	645	706	737	719	638	599	567	577	584	584	564	559	561	562	561	559	595	0	10	58 751	19	13 556	195
31	✓	✓		560	561	566	567	572	575	583	610	648	669	663	655	632	612	605	599	600	589	577	575	578	582	582	577	597	0	9	37 676	0	04 559	117
MEANS ALL DAYS				535	536	536	538	540	546	556	581	624	670	691	689	659	617	578	555	549	544	538	537	538	538	537	536	574						221
MEANS TEN DAYS *				554	555	555	555	556	562	572	600	651	703	727	718	682	641	602	585	580	575	567	564	562	562	560	559	598						194
MEANS FIVE DAYS (G. M. T.) †				554	554	555	556	557	560	571	600	652	703	727	720	694	655	613	591	582	577	561 572	557 568	556	557	557	556	599						
MEANS FIVE DAYS (G. M. T.) ‡				525	527	527	531	538	545	557	592	626	668	655	645	611	554	509	486	497	489	476	527	528	526	522	524	549						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 125

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JANUARY 1938 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JANUARY 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			159	161	161	161	165	163	163	163	162	157	163	159	146	138	142	141	147	150	161	164	163	162	161	160	157	0	4 55	165	13 47	136	29
2	✓			160	161	163	165	168	165	167	172	169	170	165	169	166	166	170	159	158	156	157	161	164	165	164	163	164	0	7 50	173	17 20	154	19
3	✓			162	162	164	165	166	165	163	162	158	141	132	130	132	137	138	138	144	157	160	162	163	163	161	162	154	0	5 00	166	11 54	127	39
4				162	162	164	166	166	165	172	180	175	178	197	197	196	190	187	178	175	169	162	164	163	163	162	162	173	1	10 54	205	23 50	160	45
5	✓	✓		162	162	162	163	166	165	166	173	172	170	166	158	151	145	148	155	156	156	158	164	166	166	164	163	162	0	8 00	174	13 40	142	32
6				162	163	165	165	166	166	166	167	163	156	154	142	139	162	172	178	173	168	161	162	161	162	162	162	162	0	15 10	181	12 30	134	47
7				161	161	161	162	163	162	162	169	169	170	166	158	152	145	133	138	156	157	159	166	168	161	156	159	159	1	9 29	172	14 36	131	41
8				161	162	164	165	169	172	170	175	168	151	143	146	153	168	176	176	172	168	158	163	168	168	169	166	165	0	15 16	178	10 10	142	36
9				166	167	167	168	170	169	171	182	179	173	167	158	152	155	157	162	164	166	164	166	167	166	166	166	166	0	7 33	183	13 00	152	31
10	✓	✓		166	166	167	167	169	168	170	182	190	187	183	179	171	162	155	147	149	157	162	166	168	168	168	167	168	0	8 31	192	16 00	146	46
11	✓	✓		167	168	168	169	170	170	171	178	181	179	178	168	152	142	140	141	144	149	159	164	165	166	165	165	163	0	8 40	182	14 25	139	43
12				164	164	164	164	164	165	164	164	160	155	161	172	164	153	154	150	153	153	153	156	161	161	160	160	160	1	11 30	174	13 35	148	26
13				158	161	163	167	168	167	165	166	164	157	157	160	167	171	164	151	150	154	153	157	159	160	161	161	161	1	13 16	174	16 03	143	31
14	✓	✓		161	163	164	164	167	165	167	165	155	154	167	165	154	162	167	153	157	161	157	158	162	164	164	163	162	0	10 58	171	15 30	150	21
15	✓			160	161	163	164	165	165	163	166	168	171	179	183	175	158	150	141	143	153	154	158	159	159	159	158	161	0	12 11	184	15 45	136	48
16			✓	159	159	160	161	163	161	162	167	161	151	142	133	129	132	139	142	141	145	153	153	151	153	149	149	151	1	17 38	171	17 56	123	48
17			✓	150	157	154	151	158	161	164	175	172	167	165	162	179	185	178	142	149	162	158	162	161	162	162	161	162	2	13 58	190	16 00	134	56
18				159	160	165	166	166	165	168	169	162	153	144	141	142	135	134	135	135	143	151	162	160	159	159	159	154	1	7 24	172	16 05	130	42
19				159	160	162	163	165	166	168	168	159	143	131	121	125	138	160	155	152	152	154	158	159	159	158	158	154	1	7 06	169	11 42	119	50
20				158	156	160	163	164	162	160	162	155	146	149	146	135	114	118	118	128	138	147	155	156	155	155	155	148	1	4 37	165	13 30	107	58
21				158	159	156	158	159	163	166	170	169	169	159	148	138	132	138	141	143	150	151	159	163	161	150	149	155	1	7 20	176	13 25	131	45
22			✓	146	137	144	147	153	150	174	173	179	165	137	134	120	121	116	114	127	138	149	155	157	157	158	156	146	2	6 44	183	15 10	110	73
23				163	165	166	168	170	172	179	193	191	177	165	147	138	132	132	143	147	150	149	154	158	161	161	162	160	0	7 55	195	14 25	130	65
24				165	167	166	166	168	169	173	173	163	148	137	126	124	130	133	133	135	146	154	162	164	165	166	165	154	1	6 57	177	11 54	121	56
25			✓	164	164	166	167	168	167	168	183	185	178	205	166	172	131	124	124	129	136	148	153	148	158	165	167	160	2	10 16	216	13 54	108	108
26			✓	163	161	161	162	163	164	169	177	185	184	182	177	173	167	148	124	120	133	149	159	162	163	163	162	161	2	8 27	186	16 30	118	68
27				161	161	164	167	168	168	168	175	179	178	159	181	176	166	165	157	152	153	157	162	163	163	164	163	166	0	11 52	185	17 00	150	35
28	✓			163	163	165	165	166	166	167	173	170	168	174	177	180	182	178	169	166	163	160	165	166	166	166	165	168	0	13 53	184	18 18	159	25
29				165	166	166	167	167	167	167	174	174	168	166	169	169	172	173	166	169	167	163	166	167	167	167	166	168	0	8 00	176	18 20	161	15
30	✓	✓		166	167	168	169	170	168	167	172	176	171	169	162	163	171	169	163	155	151	152	160	162	163	163	164	165	0	8 10	177	17 55	150	27
31				165	164	167	169	169	170	167	167	166	164	154	163	189	200	206	174	169	170	168	168	166	165	165	165	170	1	14 26	214	10 43	153	61
MEANS ALL DAYS				161	162	163	164	166	166	167	172	170	164	162	158	156	154	154	149	150	154	156	161	162	162	162	161	161						44
MEANS TEN DAYS ✱				163	163	164	165	167	166	166	171	170	167	168	165	159	156	156	151	152	155	158	162	164	164	164	163	162						33
MEANS FIVE DAYS † (G. M. T.)				164	165	166	166	168	167	168	174	175	172	173	166	158	156	156	152	152	155	161 158	164 162	165	165	165	164	164						
MEANS FIVE DAYS ‡ (G. M. T.)				156	156	157	158	161	161	167	175	176	169	166	154	155	147	141	129	133	143	151	157	157	159	158	158	156						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Z = NO RECORD

TABLE 126

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1938

FEBRUARY 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				164	165	165	168	169	169	168	170	176	176	173	167	161	156	155	151	143	145	154	161	164	164	164	165	163	0	9	17	176	16	40	142	34
2				164	165	165	165	170	171	169	168	165	156	148	146	143	134	129	133	142	150	157	161	162	164	165	165	157	0	5	44	172	14	20	127	45
3				165	165	165	167	169	166	161	155	154	150	151	142	143	142	143	139	147	155	157	164	163	164	164	164	156	0	4	21	170	15	33	137	33
4				165	166	166	168	169	168	169	178	179	166	163	155	151	155	161	157	154	155	157	162	162	161	162	164	163	0	8	23	182	12	23	148	34
5	✓			165	165	167	168	169	171	166	165	160	155	149	144	143	151	151	151	150	151	157	164	165	167	166	155	159	0	5	50	171	12	04	142	29
6			✓	151	153	161	163	168	170	168	173	174	172	161	151	153	150	137	151	150	154	159	163	165	165	169	165	160	1	8	07	177	14	38	133	44
7				164	165	165	165	168	170	173	189	220	226	220	214	207	203	191	180	173	162	161	165	168	168	168	167	181	1	9	12	233	18	43	159	74
8			✓	165	164	166	170	172	172	171	172	174	174	170	154	154	164	176	160	153	156	160	167	166	163	163	164	165	1	14	20	179	12	06	147	32
9			✓	167	165	166	167	170	171	170	174	180	174	185	177	176	170	163	150	144	148	158	163	166	166	163	162	166	1	10	40	188	16	20	139	49
10			✓	162	158	164	168	169	168	165	174	181	182	179	177	180	180	176	158	145	150	157	165	165	164	163	163	167	1	9	10	184	16	42	143	41
11				163	165	165	166	165	169	170	173	179	178	170	165	157	146	140	140	140	144	154	162	165	166	166	166	161	1	8	50	181	15	43	139	42
12				165	165	168	170	172	172	166	167	168	169	162	156	148	142	132	125	131	139	150	161	164	165	162	161	158	0	5	14	173	15	40	123	50
13				161	165	167	169	171	171	168	168	170	172	170	161	156	157	153	143	144	148	153	158	161	161	162	161	161	1	10	00	173	15	37	141	32
14			✓	160	160	161	166	167	169	172	185	186	187	182	180	179	175	175	165	156	154	157	162	164	165	165	165	169	1	9	34	191	17	20	154	37
15	✓	✓		165	166	168	168	172	173	172	178	184	185	186	181	182	179	171	161	152	150	157	165	165	165	165	164	170	0	10	02	187	17	10	147	40
16	✓	✓		164	165	167	169	172	173	171	172	172	171	167	162	158	151	144	134	139	147	156	162	165	166	166	166	162	0	5	54	173	15	40	132	41
17	✓			165	166	169	170	172	173	173	173	174	171	166	157	153	152	152	150	153	156	157	163	163	162	161	163	163	0	8	40	175	15	24	150	25
18	✓			163	164	164	168	171	170	172	181	185	182	178	177	179	174	169	164	158	156	156	164	167	168	167	166	169	0	8	30	188	17	15	155	33
19	✓	✓		168	169	170	171	173	174	172	174	174	168	165	162	156	153	150	149	150	154	160	164	167	168	168	167	164	0	8	15	176	15	30	147	29
20	✓	✓		166	167	168	171	172	174	174	175	175	170	164	156	156	154	153	154	157	160	161	165	167	167	167	165	165	0	8	00	178	14	43	152	26
21	✓			165	167	168	171	174	172	175	182	181	178	176	177	180	174	167	156	156	157	158	164	166	169	169	168	170	0	7	42	186	15	40	154	32
22	✓	✓		169	170	169	172	173	174	173	179	176	171	172	176	176	173	165	159	154	157	161	164	164	164	164	164	168	0	7	50	181	16	46	153	28
23				165	164	162	169	171	173	176	181	180	178	173	182	187	175	165	158	155	157	164	168	169	169	168	167	170	1	12	05	193	16	24	155	38
24	✓			166	166	168	169	171	172	168	171	173	169	168	168	169	169	162	149	142	147	162	168	168	168	169	169	165	0	8	23	175	16	52	141	34
25				168	169	169	171	172	172	171	168	164	161	156	161	164	173	169	165	164	161	165	169	168	168	167	167	167	1	12	59	179	10	06	152	27
26				167	166	169	170	172	173	171	179	180	176	172	176	176	177	179	171	162	158	162	167	167	167	167	167	170	0	8	18	182	17	36	158	24
27				168	169	170	171	173	173	170	166	167	174	175	175	173	176	175	170	169	167	170	168	169	168	168	168	170	0	10	56	178	17	10	164	14
28				169	168	171	172	173	174	172	170	169	169	168	168	174	179	173	160	159	160	165	167	168	168	168	168	169	1	13	35	181	15	57	157	24
29																																				
30																																				
31																																				
MEANS ALL DAYS				165	165	167	169	171	171	170	174	176	174	170	167	166	164	160	154	152	154	159	164	165	166	166	165	165								35
MEANS TEN DAYS ✱				166	166	168	170	172	173	172	175	175	172	169	166	165	163	158	153	151	154	158	164	166	166	166	165	166								32
MEANS FIVE DAYS † (G. M. T.)				166	167	168	170	172	174	172	176	176	173	171	167	166	162	157	151	150	154	158 159	164 164	166	167	167	166	166								
MEANS FIVE DAYS ‡ (G. M. T.)				161	160	164	167	169	170	169	176	179	178	175	168	168	168	165	157	150	152	158	163	165	165	164	162	166								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 127

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1938

MARCH 1938

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	168	168	169	172	174	174	165	164	158	150	154	153	150	154	150	147	149	158	167	168	168	169	169	168	162	1	4 58	175	15 40	146	29
2				168	169	172	173	172	172	173	176	175	172	170	167	163	163	162	159	162	163	167	167	167	167	167	169	168	0	8 00	176	15 26	159	17
3				169	170	171	172	173	173	170	167	163	161	162	156	158	167	172	170	166	163	166	169	169	170	169	169	167	0	5 00	174	12 00	155	19
4				167	167	169	171	172	172	169	171	173	170	166	166	166	163	147	141	145	155	161	164	166	168	166	164	164	0	8 32	174	15 34	139	35
5			✓	165	166	169	168	169	171	168	170	165	157	161	169	175	167	164	157	156	160	166	169	167	167	169	168	166	1	12 10	191	9 53	153	38
6				168	168	171	174	173	172	170	171	172	171	170	166	159	145	143	141	148	157	165	169	171	171	171	170	165	0	3 30	178	15 35	140	38
7				170	171	172	173	174	175	175	181	184	181	174	175	171	168	159	154	156	160	167	170	171	172	171	170	171	0	8 50	186	15 05	153	33
8	✓			172	173	175	175	177	177	174	171	168	165	164	160	159	158	155	150	152	155	163	169	171	171	170	170	166	0	5 30	178	15 50	149	29
9	✓			170	171	173	174	175	175	171	166	164	163	158	152	147	139	140	138	143	156	164	169	171	171	171	170	162	0	5 32	176	15 57	137	39
10	✓	✓		171	171	174	174	176	175	172	169	168	169	170	170	171	168	163	156	152	155	164	171	171	171	170	169	168	0	4 50	177	17 00	152	25
11				169	172	174	174	176	176	170	165	159	153	155	157	154	155	151	151	153	158	162	167	172	173	169	167	164	0	5 10	177	15 00	150	27
12				169	171	172	173	173	174	173	184	185	179	171	177	172	166	163	156	152	155	165	168	170	171	168	168	170	1	7 50	188	16 20	151	37
13	✓			170	172	173	176	177	176	172	170	172	171	167	166	168	165	164	164	160	161	166	168	168	169	169	169	169	0	4 52	179	16 48	158	21
14				169	171	172	174	175	174	173	175	173	168	167	162	157	155	152	153	153	155	161	165	167	168	167	165	165	0	7 38	176	16 54	151	25
15				168	170	172	172	174	175	174	176	176	176	172	167	162	167	166	165	165	166	166	169	169	171	170	169	170	0	8 54	178	12 18	161	17
16	✓	✓		170	172	175	176	177	176	176	175	172	167	158	157	161	165	162	160	160	160	164	167	167	166	167	168	167	0	4 08	177	11 03	156	21
17				170	172	173	174	174	174	173	172	166	157	152	147	145	145	150	155	159	165	166	168	168	169	168	167	164	0	4 55	175	12 58	141	34
18	✓	✓		170	172	175	175	175	175	176	183	183	178	171	168	166	162	156	160	168	170	169	171	170	169	169	169	171	0	8 32	184	14 38	154	30
19	✓	✓		169	173	174	174	175	175	172	172	171	169	164	157	148	147	154	157	159	164	168	168	168	168	168	168	166	0	4 58	176	12 46	146	30
20	✓	✓		167	170	173	173	174	175	176	180	178	177	167	160	149	146	148	153	156	159	161	164	165	167	167	166	165	0	7 38	181	13 48	145	36
21				169	171	172	174	175	175	176	179	179	179	172	171	167	164	161	160	164	169	168	168	165	167	165	165	170	0	9 11	181	15 48	157	24
22			✓	160	161	161	167	175	172	176	185	186	189	175	170	164	153	146	150	160	166	161	158	167	167	165	167	167	1	9 27	194	14 12	144	50
23			✓	173	172	171	172	176	175	175	178	173	171	165	161	155	141	149	145	146	153	158	161	166	163	167	167	164	1	4 47	180	13 38	138	42
24			✓	170	169	166	169	173	173	174	179	177	177	167	157	153	147	144	144	148	153	160	163	163	164	165	166	163	1	7 25	180	14 48	141	39
25				166	169	169	170	171	171	174	181	181	176	165	158	156	153	155	156	155	160	164	164	164	164	170	169	166	0	7 52	183	13 28	152	31
26				170	171	171	172	172	172	175	178	177	178	171	161	154	150	152	155	158	163	164	164	164	166	168	168	166	1	8 02	181	13 28	149	32
27				168	169	170	170	171	171	170	170	167	164	163	165	170	172	168	165	163	164	167	166	167	168	168	168	168	0	13 14	174	10 06	161	13
28				172	171	170	171	172	173	169	165	159	153	151	147	143	137	140	144	148	155	162	166	166	166	167	166	160	0	5 48	173	13 32	137	36
29				169	169	172	172	171	170	170	171	172	171	177	177	173	169	184	179	170	165	166	166	167	167	167	167	171	1	14 36	187	13 35	163	24
30	✓			169	170	172	173	173	173	173	172	172	172	176	178	177	174	174	171	166	165	165	166	166	167	167	167	171	0	11 38	179	18 08	165	14
31	✓			169	170	172	173	173	174	172	172	170	165	157	149	146	147	151	156	162	165	169	170	171	171	171	171	165	0	5 32	174	12 18	145	29
MEANS ALL DAYS				169	170	171	173	174	174	172	174	172	169	166	163	160	157	156	155	157	160	165	167	168	168	168	168	166						29
MEANS TEN DAYS #				170	171	174	174	175	175	173	173	172	170	165	162	159	157	157	156	158	161	165	168	169	169	169	169	167						27
MEANS FIVE DAYS (G. M. T.) †				169	172	174	174	175	175	174	176	174	172	166	162	159	158	157	157	159	162	167 165	169 168	169	170	169	169	168						
MEANS FIVE DAYS (G. M. T.) ‡				167	167	167	170	173	173	172	175	172	169	164	162	159	152	151	149	152	158	162	164	166	167	166	166	164						

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 128

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1938 — APRIL 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			172	173	176	177	178	178	178	178	173	163	149	142	140	138	143	152	159	165	170	170	171	171	170	171	165	0	4 44	181	13 45	135	46
2	✓	✓		172	173	176	177	177	176	176	178	175	171	170	170	174	180	178	174	170	170	172	172	172	171	172	173	174	0	13 52	182	17 08	168	14
3				174	175	177	177	178	178	179	181	183	178	175	167	161	152	153	155	160	166	170	170	170	171	170	169	170	0	8 22	186	13 30	151	35
4	✓			173	174	175	177	179	180	186	190	181	172	165	153	148	148	144	143	146	156	168	169	170	169	170	170	167	0	7 13	192	15 36	142	50
5	✓	✓		172	174	175	176	177	180	182	177	171	163	156	153	154	148	145	144	151	162	168	170	170	170	169	169	166	0	6 08	183	15 18	144	39
6				172	173	176	178	176	178	180	176	163	152	143	140	133	125	120	130	142	157	165	166	167	167	167	169	159	1	6 41	181	14 09	119	62
7				171	170	173	173	176	176	176	187	189	191	182	171	160	152	151	150	155	162	170	172	172	172	172	173	171	1	9 24	192	15 14	147	45
8				175	175	177	178	178	178	178	173	164	158	153	150	152	151	145	146	153	162	167	171	172	172	172	173	166	0	5 53	179	14 38	144	35
9				175	177	178	177	178	178	179	175	173	175	171	166	163	161	156	154	156	163	167	171	171	173	172	174	170	0	6 07	181	15 38	153	28
10				176	176	177	177	177	178	179	182	180	178	176	181	187	188	181	167	161	162	167	169	171	171	171	172	175	0	13 38	189	16 08	160	29
11				173	175	177	177	178	178	177	175	165	154	149	153	153	170	160	154	156	163	170	170	170	171	171	171	167	1	5 45	181	11 58	145	36
12				173	174	175	175	175	177	175	170	160	152	143	138	138	146	150	149	146	156	164	167	168	170	170	171	162	1	5 58	177	11 48	134	43
13			✓	174	175	175	175	175	177	177	173	165	160	162	154	162	167	168	161	162	164	167	173	173	171	176	173	169	1	6 46	185	11 48	150	35
14			✓	169	176	173	178	182	180	183	179	166	155	145	144	147	148	151	148	150	159	166	169	169	169	171	172	165	1	6 09	187	10 48	142	45
15				173	175	178	179	179	179	183	182	175	163	149	148	151	157	161	159	165	171	169	171	172	173	172	172	169	0	6 50	186	11 16	146	40
16			✓	180	182	162	186	186	182	186	184	171	153	149	153	150	156	160	159	163	166	170	171	173	174	175	175	169	2	1 15	252	1 41	135	117
17			✓	177	178	179	178	178	181	188	195	194	188	176	160	147	145	144	149	154	166	171	171	174	174	175	178	172	1	8 04	196	14 43	143	53
18				178	178	180	180	180	181	181	177	165	157	148	142	146	146	147	149	159	167	170	167	170	171	171	173	166	0	5 49	183	11 43	140	43
19				175	177	177	177	178	181	183	184	177	167	153	145	142	141	144	149	155	166	168	169	171	170	169	171	166	0	7 01	185	13 28	141	44
20	✓			173	175	176	179	179	180	182	186	185	176	172	169	159	149	147	144	150	162	168	169	171	172	169	172	169	0	7 43	188	15 38	144	44
21	✓			173	175	176	178	177	178	182	186	186	184	181	177	173	165	159	154	158	165	168	173	174	175	174	174	174	0	8 35	187	15 45	152	35
22				176	176	177	178	178	178	176	169	163	159	156	154	147	134	136	143	156	163	166	168	172	175	173	174	164	0	5 40	179	13 27	130	49
23			✓	175	175	175	176	175	176	183	190	191	186	175	170	166	166	162	157	157	164	168	171	172	172	174	173	173	1	8 48	193	16 18	155	38
24				174	175	178	179	179	179	179	173	167	161	160	161	163	162	163	167	172	174	172	174	175	175	175	175	171	0	6 18	181	10 48	159	22
25				176	179	178	181	180	182	184	178	172	163	156	151	154	156	161	165	166	169	172	172	174	175	175	176	171	0	6 38	185	11 28	150	35
26				178	179	179	179	180	179	177	172	165	161	160	161	165	167	168	165	164	168	169	171	174	176	175	175	171	0	4 47	182	10 38	158	24
27	✓			177	178	178	178	178	180	181	178	178	178	178	178	176	170	157	154	156	164	170	172	174	177	176	176	173	0	6 43	181	15 20	153	28
28	✓	✓		178	178	179	180	181	181	181	181	174	167	160	160	162	168	174	175	173	174	173	173	174	177	176	177	174	0	7 09	184	10 52	158	26
29	✓	✓		178	179	179	180	181	181	184	182	177	171	164	157	160	164	173	174	177	176	173	173	174	177	177	177	174	0	6 50	185	11 45	156	29
30	✓	✓		178	178	179	180	181	181	181	174	167	164	164	165	168	171	179	174	169	171	171	171	174	176	176	177	174	0	5 58	182	10 32	162	20
31																																		
MEANS ALL DAYS				175	176	176	178	178	179	181	180	174	167	161	158	157	156	156	155	159	165	169	170	172	173	172	173	169						40
MEANS TEN DAYS ✱				175	176	177	178	179	180	181	181	177	171	166	162	161	160	160	159	161	166	170	171	172	174	173	174	171						33
MEANS FIVE DAYS † (G. M. T.)				176	176	178	179	179	180	181	178	173	167	163	161	164	166	170	168	168	171	171 171	171 172	173	174	174	174	172						
MEANS FIVE DAYS ‡ (G. M. T.)				175	177	173	179	179	179	183	184	177	168	161	156	154	156	157	155	157	164	168	170	172	173	173	173	169						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 129

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		178	178	179	179	180	180	179	178	174	170	167	176	183	172	169	167	166	167	170	171	175	177	174	177	174	0	12 20	185	16 58	164	21
2				179	179	181	182	182	182	184	187	187	185	179	178	180	169	162	161	164	171	174	177	178	179	177	177	177	0	8 23	189	15 38	160	29
3				178	178	179	179	182	182	185	192	192	182	172	158	158	157	160	163	165	175	178	176	177	175	180	180	175	0	7 59	196	13 08	157	39
4			✓	179	181	183	182	181	182	186	188	183	175	165	166	164	162	156	155	160	170	174	174	177	178	175	178	174	1	6 59	188	15 00	147	41
5				180	181	181	181	181	182	184	188	183	177	168	166	167	164	162	163	163	170	171	173	176	177	177	178	175	0	7 39	189	14 06	160	29
6				177	176	178	180	182	184	184	191	189	181	182	184	179	173	169	161	163	171	172	174	177	177	177	177	177	0	7 44	194	15 48	160	34
7	✓			178	178	180	181	181	181	180	178	174	168	164	161	166	167	165	165	167	171	173	174	176	177	177	176	173	0	4 38	182	11 38	160	22
8	✓	✓		177	179	179	181	182	184	185	182	178	178	175	171	160	156	157	154	156	164	168	171	174	175	176	175	172	0	6 50	186	15 35	153	33
9	✓			177	178	178	178	179	181	178	168	160	154	155	156	154	161	170	168	167	168	171	174	176	178	175	175	170	0	5 41	181	12 21	152	29
10				176	179	179	180	180	182	180	176	169	163	162	159	159	168	168	156	159	170	173	173	176	176	175	176	172	0	5 38	183	15 41	157	26
11			✓	178	179	179	180	180	182	183	182	179	173	175	170	163	153	164	159	163	175	175	179	187	183	180	179	175	2	20 57	189	13 27	136	53
12			✓	183	177	181	183	186	188	198	208	209	203	199	188	178	169	157	157	159	164	168	171	170	174	175	175	180	2	8 24	212	14 51	156	56
13				177	177	176	176	179	179	176	174	173	172	175	177	172	169	166	168	169	172	171	171	172	172	173	175	173	0	5 39	180	14 18	165	15
14			✓	179	177	177	179	180	184	188	186	176	161	167	151	143	141	141	146	151	161	170	171	173	176	175	179	168	1	6 35	190	13 18	137	53
15				175	175	178	179	180	181	181	177	165	153	145	139	136	144	151	159	166	170	171	171	173	174	173	174	166	1	6 34	184	12 25	135	49
16				175	177	175	178	175	178	179	181	178	175	171	168	170	171	166	165	167	172	172	171	175	176	177	176	174	0	7 10	182	14 45	163	19
17				180	180	178	178	179	180	183	190	189	186	180	179	176	176	170	169	171	173	173	175	176	179	177	180	178	0	7 28	192	15 31	169	23
18				180	181	181	180	180	181	183	186	184	181	176	173	175	179	182	178	175	176	174	174	175	177	177	177	179	0	7 48	187	11 38	172	15
19	✓			179	179	181	181	181	181	186	190	188	182	173	173	175	176	174	171	170	173	175	171	173	174	174	174	177	0	7 28	191	16 24	168	23
20	✓	✓		175	175	175	175	176	177	179	181	177	174	171	167	160	153	150	156	163	170	171	171	173	173	173	173	170	0	7 28	182	14 17	148	34
21	✓			174	175	175	177	177	177	177	179	172	166	167	169	176	173	162	160	159	169	172	172	174	176	175	175	172	0	4 34	181	16 22	158	23
22				175	176	176	176	177	177	181	187	186	183	181	180	172	166	165	162	163	168	170	173	175	175	176	175	175	0	7 18	187	15 48	161	26
23	✓	✓		176	176	176	176	176	176	176	171	161	147	144	149	153	151	158	161	163	168	169	172	175	176	176	176	167	0	0 41	177	9 58	143	34
24				177	177	177	177	179	180	179	178	175	173	173	165	165	177	179	166	159	166	172	174	176	179	179	176	174	1	5 18	181	16 28	158	23
25				179	180	179	179	178	178	177	174	168	162	168	182	191	193	174	164	163	168	172	175	176	178	176	176	175	0	13 11	196	9 31	161	35
26	✓	✓		176	177	178	177	176	178	178	172	169	168	168	168	169	174	172	169	169	171	172	173	176	176	176	176	173	0	6 10	180	11 53	167	13
27				176	176	177	176	176	178	179	176	172	168	167	165	151	150	155	162	164	168	168	176	178	181	182	182	171	0	23 42	182	12 58	147	35
28				182	182	182	181	183	185	186	178	173	169	156	154	165	173	173	173	173	179	178	179	180	179	178	180	176	1	6 08	189	10 59	152	37
29			✓	179	182	180	183	182	183	187	181	175	168	166	163	168	163	160	160	164	174	177	181	183	184	184	184	175	1	6 34	188	15 28	158	30
30				184	185	187	187	185	186	187	184	182	181	175	172	165	163	166	166	168	174	177	179	180	181	183	184	178	0	3 28	188	12 58	160	28
31	✓			183	183	184	183	184	187	188	187	179	167	155	152	144	135	142	162	171	176	176	176	178	178	179	178	172	0	6 10	188	13 51	134	54
MEANS ALL DAYS				178	178	179	179	180	181	182	182	178	174	169	167	166	164	163	163	165	170	172	174	176	177	177	177	174						32
MEANS TEN DAYS ✲				177	178	178	179	179	180	181	179	173	167	164	164	164	162	162	163	165	170	172	172	175	176	176	176	172						29
MEANS FIVE DAYS (G. M. T.) †				176	177	177	178	178	179	179	177	172	167	165	166	165	161	161	161	163	168	172 170	173 172	175	176	176	176	172						
MEANS FIVE DAYS (G. M. T.) ‡				180	179	180	181	182	184	188	189	184	176	174	168	163	158	156	155	159	169	173	176	178	177	177	178	174						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊠ = NO RECORD

TABLE 130

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JUNE 1938

JUNE 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				179	180	180	178	178	180	183	185	181	174	170	171	169	169	172	171	171	173	174	177	179	180	179	180	176	0	7	18	185	12 33	168	17
2			✓	180	181	181	181	181	181	182	185	181	173	165	160	163	160	156	152	159	171	175	179	182	182	180	181	174	0	7	43	186	15 39	149	37
3				181	182	182	181	182	182	183	186	187	186	182	172	167	170	173	171	169	173	174	178	181	181	181	181	179	0	8	18	188	12 38	165	23
4	✓	✓		181	182	182	182	184	185	184	184	178	178	181	185	184	176	178	178	169	173	175	178	180	181	181	182	180	0	11	38	186	16 38	169	17
5				184	184	183	184	184	185	184	181	180	181	181	180	178	177	174	172	167	171	175	178	181	182	182	180	180	0	5	33	186	16 18	167	19
6				180	180	180	182	181	183	183	180	175	172	179	185	188	184	178	177	173	174	174	176	178	179	178	179	179	0	12	48	190	10 00	170	20
7				178	178	179	180	180	182	182	183	178	165	165	176	181	180	173	167	163	174	173	174	176	177	177	177	176	0	7	30	184	9 48	161	23
8			✓	173	176	180	181	180	181	186	188	184	181	181	181	173	177	179	168	168	169	171	172	175	175	177	177	177	1	7	20	189	16 53	164	25
9				176	176	176	178	176	176	179	175	173	171	167	165	166	163	167	171	161	167	171	173	176	176	177	176	172	0	2	58	180	16 34	159	21
10				177	178	177	177	179	177	179	175	168	164	160	153	152	154	168	175	176	176	175	174	173	173	176	177	171	0	6	13	180	11 38	150	30
11			✓	177	177	180	180	180	183	187	176	155	134	131	132	144	152	156	156	158	166	168	171	171	172	172	174	165	1	6	34	189	11 10	127	62
12			✓	172	175	176	177	176	176	177	174	165	152	150	147	145	146	148	156	160	168	172	172	175	176	178	175	166	1	22	30	182	13 50	144	38
13			✓	176	176	177	179	181	179	181	180	166	153	150	155	158	146	141	149	157	165	168	172	172	174	175	175	167	1	6	48	184	13 58	136	48
14				175	176	176	177	177	177	179	179	176	173	167	157	160	157	161	165	168	169	169	171	172	173	173	173	171	0	7	04	182	11 30	156	26
15	✓	✓		174	174	174	174	175	175	177	177	173	171	169	168	157	153	157	158	161	165	169	171	173	173	173	173	169	0	7	03	178	13 12	152	26
16				174	175	175	177	175	175	175	174	170	162	161	160	162	162	162	162	163	166	170	174	175	175	177	177	170	0	23	32	178	11 38	158	20
17				175	176	177	176	176	177	177	175	168	163	164	167	170	167	161	162	164	168	170	171	173	174	175	174	171	0	6	58	178	14 38	158	20
18	✓			173	173	174	177	175	176	178	178	173	169	166	162	162	163	167	171	170	168	169	173	175	177	177	176	172	0	7	00	178	11 58	161	17
19				177	178	178	178	179	179	179	177	175	170	166	169	165	159	159	162	166	169	171	173	175	176	176	176	172	0	6	20	180	14 11	157	23
20	✓			176	176	176	176	177	179	178	175	171	164	162	160	162	163	160	160	160	165	171	173	175	176	175	173	170	0	5	58	179	16 28	158	21
21				172	172	175	176	176	176	177	180	178	175	176	175	176	180	178	175	174	174	171	175	176	178	178	178	176	0	7	13	182	18 28	171	11
22				178	178	176	178	179	178	179	174	163	151	149	149	151	160	169	171	171	172	173	175	176	176	177	177	170	0	6	28	180	11 50	147	33
23	✓	✓		177	177	177	177	177	179	177	172	162	152	148	148	155	158	164	164	165	169	171	172	175	177	177	177	169	0	5	52	179	10 50	146	33
24	✓			175	176	177	178	177	179	181	177	172	161	154	153	154	161	170	171	171	171	172	175	176	179	179	178	172	0	6	18	183	11 18	151	32
25	✓			179	179	179	179	179	180	181	179	172	161	148	140	143	155	156	160	164	172	173	176	177	177	177	177	169	0	6	48	181	11 48	139	42
26	✓			177	177	177	177	178	179	181	176	170	159	153	155	156	160	163	164	170	173	175	177	179	179	179	177	171	0	6	38	182	10 17	152	30
27	✓	✓		176	178	178	178	178	179	180	182	175	167	156	150	150	155	161	163	167	171	172	174	175	176	176	177	171	0	7	18	183	11 58	147	36
28	✓	✓		176	177	177	178	178	178	180	179	171	158	151	151	152	150	146	149	154	166	172	173	174	174	174	175	167	0	6	32	181	14 48	146	35
29				175	176	177	175	176	177	178	177	168	160	157	154	156	154	157	167	170	171	172	173	175	175	175	175	170	0	6	47	179	13 40	153	26
30				173	176	176	176	177	178	178	177	172	168	162	160	157	160	163	161	164	168	169	171	172	174	173	170	170	0	6	32	178	12 58	156	22
31																																		
MEANS ALL DAYS				177	177	178	178	178	178	180	179	173	166	162	161	162	163	164	165	166	170	172	174	176	177	177	177	172							28
MEANS TEN DAYS ✱				176	177	177	178	179	179	180	178	172	164	159	157	158	159	162	164	165	169	172	174	176	177	177	176	171							29
MEANS FIVE DAYS † (G. M. T.)				177	178	178	178	178	179	180	179	172	165	161	160	160	158	161	162	163	169	173 172	175 174	177	177	177	177	171							
MEANS FIVE DAYS ‡ (G. M. T.)				176	177	179	180	180	180	183	181	170	159	155	155	157	156	156	156	160	168	171	174	175	176	176	177	170							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
$\overline{\Delta}$ = NO RECORD

TABLE 131

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1938 — JULY 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				169	174	174	176	177	175	178	183	182	174	169	166	168	165	157	157	159	169	173	174	176	176	176	176	172	1	8	13	185	15	18	155	30
2				174	173	178	178	178	180	184	182	174	168	160	149	154	158	155	154	156	164	169	170	173	174	175	173	169	0	6	48	185	11	17	146	39
3	✓	✓		173	173	175	176	176	176	176	178	173	169	163	159	160	162	157	157	162	168	169	169	171	172	171	169	169	0	7	18	180	14	18	155	25
4			✓	169	171	170	171	173	173	175	179	172	182	162	157	156	151	148	150	163	171	170	170	172	173	174	174	168	1	9	14	187	14	53	143	44
5				171	172	173	173	174	175	178	175	166	167	167	163	158	159	158	153	151	158	167	168	169	170	169	169	167	1	6	56	182	16	28	150	32
6				168	169	169	169	172	172	172	169	165	163	158	150	148	158	165	163	162	163	166	169	171	172	172	172	166	0	5	57	173	12	38	148	25
7	✓			170	170	172	172	173	175	176	172	166	164	165	158	151	150	160	165	161	164	166	168	171	171	172	172	167	0	6	09	176	12	48	150	26
8				171	172	171	172	174	175	175	175	172	167	174	177	172	166	158	156	159	166	170	172	175	175	175	175	171	0	6	14	178	15	02	152	26
9				174	174	175	177	178	178	179	177	173	168	165	158	150	152	155	162	170	173	172	171	177	178	177	174	170	0	6	12	182	12	38	147	35
10			✓	173	174	176	177	181	184	185	184	175	168	165	165	161	151	157	156	160	161	168	168	171	172	172	173	170	1	6	50	187	13	18	149	38
11				174	175	176	176	178	180	183	187	191	191	185	179	175	172	168	161	162	170	173	173	174	176	175	175	176	0	9	08	193	15	50	159	34
12				175	175	176	176	177	177	179	183	182	176	169	162	166	172	172	167	168	169	171	172	174	175	175	175	173	0	7	18	184	11	48	161	23
13				176	177	177	178	178	176	176	187	190	179	172	169	172	168	169	173	173	171	170	175	176	175	174	177	175	1	8	20	191	13	31	166	25
14				179	179	179	179	179	179	183	179	171	161	146	137	140	147	147	147	154	162	168	170	172	172	176	175	166	1	6	48	184	11	38	136	48
15			✓	176	176	176	176	175	177	180	180	173	162	151	144	135	135	146	155	161	173	175	177	179	178	179	179	167	2	7	25	184	13	12	131	53
16			✓	178	179	179	180	181	181	185	194	194	181	166	158	155	151	156	161	165	171	169	172	173	176	176	175	173	1	7	54	197	13	05	146	51
17				173	176	177	177	178	179	181	178	167	158	147	136	131	124	136	150	157	167	169	171	172	173	174	174	164	0	6	39	182	13	08	123	59
18	✓			173	174	176	177	177	179	180	180	180	175	172	175	180	172	165	165	167	171	172	174	175	177	178	177	175	0	8	24	183	14	38	163	20
19				177	177	177	177	177	180	183	183	184	180	171	171	175	166	157	153	156	166	171	173	175	175	174	173	173	0	7	08	185	15	28	152	33
20				172	173	175	175	176	179	186	189	179	167	160	155	149	144	141	141	148	156	166	169	171	172	173	173	166	0	7	18	190	14	48	138	52
21				173	173	173	174	175	177	178	180	172	159	143	143	152	155	159	161	168	170	173	172	173	175	174	173	168	0	7	28	181	10	48	139	42
22	✓			173	173	173	173	175	176	177	173	164	154	153	151	155	165	165	162	168	168	168	169	172	172	173	172	168	0	6	38	178	11	08	150	28
23	✓			172	173	173	174	175	176	179	174	167	158	155	157	158	158	164	168	168	167	167	168	169	171	172	172	168	0	6	18	180	10	28	154	26
24	✓			173	175	175	175	175	177	178	171	160	149	148	145	149	150	156	157	157	164	168	169	171	172	172	172	165	0	6	20	180	10	58	144	36
25	✓	✓		172	173	174	175	175	175	177	176	171	160	153	141	134	131	137	138	145	156	164	165	168	170	171	171	161	0	7	15	178	13	18	128	50
26	✓	✓		174	174	175	175	175	175	175	179	183	190	197	194	185	180	175	168	165	168	168	168	171	172	172	172	176	0	10	18	199	16	16	164	35
27	✓	✓		172	174	175	175	175	175	175	168	161	159	165	164	170	181	182	178	170	168	168	168	171	171	172	172	171	0	13	58	183	9	08	157	26
28	✓	✓		174	175	176	176	176	177	179	173	169	170	169	163	160	161	162	165	169	172	169	169	172	172	173	173	171	0	6	17	179	12	21	157	22
29				174	176	177	177	177	178	177	171	167	170	170	165	164	159	156	160	161	168	169	169	170	172	172	173	170	0	4	58	180	14	10	155	25
30			✓	168	171	172	172	177	178	190	200	191	177	166	157	158	155	154	152	155	163	168	171	174	173	172	172	170	1	7	18	205	15	28	151	54
31				172	174	174	174	176	174	178	186	187	183	177	172	171	166	166	168	166	166	168	169	171	174	174	173	173	0	8	13	190	13	13	164	26
MEANS ALL DAYS				173	174	175	175	176	177	179	180	175	169	164	159	158	158	158	159	161	167	169	170	173	173	174	173	170								35
MEANS TEN DAYS *				173	173	174	175	175	176	177	174	169	165	164	161	160	161	162	162	163	167	168	169	171	172	173	172	169								29
MEANS FIVE DAYS † (G. M. T.)				173	174	175	175	175	176	176	175	171	170	169	164	162	163	163	161	162	166	167 168	168 168	171	172	172	172	170							
MEANS FIVE DAYS ‡ (G. M. T.)				173	174	175	175	177	179	183	187	181	174	162	156	153	149	152	155	161	168	170	171	174	174	175	174	170							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 132

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1938

AUGUST 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				173	174	174	174	176	175	176	174	171	167	164	164	167	170	166	157	156	161	167	168	171	171	170	172	169	1	2 56	178	16 06	151	27
2				175	175	174	175	176	177	181	175	165	156	157	157	160	165	165	165	160	164	165	167	169	173	176	175	169	0	6 21	183	9 42	155	28
3			✓	175	174	174	175	176	177	179	173	165	157	153	150	148	147	150	152	152	152	168	175	176	174	172	173	165	1	6 33	179	17 12	141	38
4			✓	172	167	171	170	175	175	176	175	165	156	141	134	133	138	146	156	157	163	168	168	171	171	171	172	162	1	0 22	179	12 18	130	49
5				174	173	176	176	177	177	180	173	160	143	131	133	129	126	124	135	146	158	164	167	168	170	174	172	159	1	6 21	181	14 46	123	58
6				171	171	173	173	176	176	177	178	176	174	172	177	171	172	170	167	164	167	167	167	168	169	171	171	172	0	11 21	180	16 15	162	18
7				170	170	171	171	172	174	180	177	170	166	158	161	165	165	157	151	154	159	163	165	168	170	170	171	167	0	7 00	182	15 38	150	32
8				170	171	172	173	173	174	176	176	177	182	183	179	171	166	173	166	164	168	169	170	172	173	173	173	173	0	10 01	186	16 08	163	23
9	✓			173	173	174	175	176	177	177	173	166	160	154	141	134	140	151	155	155	163	166	167	169	172	173	172	164	0	6 08	178	12 23	133	45
10				172	173	172	174	176	177	177	180	179	177	183	181	176	171	164	157	154	158	165	166	168	170	173	172	171	0	10 59	185	16 18	154	31
11			✓	173	173	174	174	175	176	177	174	165	149	147	158	158	158	154	143	145	155	167	170	172	174	174	174	165	1	5 48	178	15 55	139	39
12				174	174	174	175	175	175	178	177	177	182	185	178	173	174	167	165	164	168	167	167	170	172	173	174	173	1	10 35	188	15 55	162	26
13				173	174	175	175	175	176	174	172	173	177	181	183	181	181	174	163	159	163	168	169	171	173	173	173	173	0	11 38	184	16 06	158	26
14				174	174	174	175	177	177	177	173	169	167	163	166	167	162	157	147	148	156	165	167	170	171	172	171	167	0	6 17	178	15 38	147	31
15	✓	✓		171	173	173	174	174	174	177	178	178	177	178	177	166	163	164	158	152	156	165	167	170	172	173	171	170	0	10 48	180	16 38	152	28
16	✓	✓		172	173	173	174	175	177	177	182	185	181	181	178	176	169	166	158	151	158	166	168	169	170	172	172	172	0	8 27	185	16 13	149	36
17	✓			172	174	174	174	175	177	178	180	181	180	174	162	157	156	153	150	152	162	167	169	171	173	173	173	169	0	8 58	182	15 40	147	35
18	✓	✓		173	174	174	175	175	175	178	179	180	180	179	177	169	161	155	152	155	159	166	169	170	171	172	171	170	0	8 10	181	15 18	152	29
19	✓			171	173	174	174	177	178	178	177	174	174	171	166	160	152	150	147	151	161	167	167	169	171	171	170	168	0	6 39	180	15 48	146	34
20	✓	✓		170	171	173	173	174	177	180	181	177	178	178	177	173	174	167	162	162	167	169	170	171	173	174	174	173	0	7 01	182	16 00	161	21
21				174	175	175	176	177	177	177	177	185	189	187	181	172	162	151	151	155	162	167	168	169	171	172	172	172	0	9 04	192	15 08	149	43
22			✓	173	174	175	176	176	177	174	172	170	166	159	156	173	178	170	168	169	169	170	172	177	178	177	177	172	1	12 51	181	11 38	151	30
23			✓	177	177	177	176	177	177	179	181	180	173	162	156	152	154	158	152	152	162	169	170	173	174	175	174	169	1	6 58	184	15 48	148	36
24				172	177	180	178	177	179	181	181	179	177	171	170	170	178	171	157	148	150	153	156	160	162	165	166	169	0	6 39	184	16 40	146	38
25				167	168	169	170	172	173	172	172	168	165	162	164	167	170	167	163	164	164	165	165	168	170	169	170	168	0	5 42	174	10 38	161	13
26	✓			172	173	173	173	174	175	172	169	162	150	143	143	143	145	137	137	148	157	163	164	168	170	170	170	160	0	5 34	176	15 08	132	44
27	✓	✓		171	171	172	174	174	174	176	174	167	162	153	150	150	159	157	149	152	158	163	163	164	165	166	168	164	0	6 28	178	15 38	148	30
28				171	170	172	173	174	174	175	175	172	169	170	172	165	162	155	150	153	161	165	166	169	170	172	172	168	0	7 50	175	15 45	149	26
29				172	172	176	176	175	176	177	177	172	163	152	148	146	146	141	150	162	168	166	166	169	170	168	169	165	0	6 59	179	14 14	139	40
30				170	172	172	172	175	175	180	187	185	178	174	168	152	147	151	148	151	158	165	166	168	169	169	169	168	0	7 58	189	13 08	144	45
31	✓			170	170	170	172	173	173	172	173	169	163	160	161	162	162	159	159	160	164	166	167	169	170	171	170	167	0	5 39	174	15 38	158	16
MEANS ALL DAYS				172	173	174	174	175	176	177	176	173	169	165	163	161	160	158	155	155	161	166	167	170	171	172	172	168						33
MEANS TEN DAYS ✱				172	172	173	174	175	176	176	177	174	170	167	163	159	158	156	153	154	160	166	167	169	171	172	171	168						32
MEANS FIVE DAYS † (G. M. T.)				171	172	173	174	174	175	178	179	177	176	174	172	167	165	162	156	154	160	165 16C	167 167	170	171	172	171	170						
MEANS FIVE DAYS ‡ (G. M. T.)				174	173	174	174	176	176	177	175	169	160	152	151	153	155	156	154	155	160	168	170	172	173	174	174	166						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 133

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1938 — SEPTEMBER 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		170	170	173	173	174	174	178	184	179	170	163	161	152	152	153	150	156	162	165	166	167	169	168	168	167	0	7 48	184	15 18	148	36
2	✓			170	171	172	173	174	175	176	178	177	169	163	160	157	157	156	155	157	161	165	166	168	171	170	170	167	0	7 50	179	15 21	154	25
3				168	169	171	171	173	174	179	189	192	186	179	175	171	163	157	151	150	155	162	166	167	167	167	168	170	0	8 00	194	16 16	149	45
4	✓			170	171	172	172	173	174	176	177	174	164	154	160	161	160	156	154	155	159	164	165	166	169	169	169	166	0	7 41	179	10 42	152	27
5				170	172	173	174	176	176	177	177	173	165	156	162	173	169	165	162	161	160	162	162	165	166	166	168	168	1	6 38	180	10 40	155	25
6	✓	✓		170	171	172	173	174	176	176	173	173	181	192	197	193	181	166	158	156	157	162	166	169	171	171	170	173	0	11 22	198	17 18	154	44
7				171	173	174	174	175	176	170	165	156	154	161	156	158	156	150	151	156	162	167	168	169	171	173	175	165	1	5 03	177	14 41	147	30
8	✓			175	175	177	176	177	179	171	164	150	141	139	143	150	148	147	152	156	164	169	171	173	175	176	176	164	0	4 58	179	10 38	137	42
9				176	178	179	180	180	180	177	176	174	168	164	163	164	156	152	157	163	173	174	175	176	177	178	180	172	0	3 39	182	13 58	151	31
10				180	180	181	183	184	185	186	184	181	177	168	163	166	166	161	164	167	173	177	177	178	180	179	181	176	0	6 10	187	14 18	160	27
11				183	183	184	184	185	187	189	191	188	184	177	171	164	153	152	155	158	167	176	178	180	180	181	182	176	0	7 18	192	14 18	151	41
12				184	184	184	185	186	188	195	207	208	193	183	175	172	168	158	155	156	162	168	169	169	169	169	169	177	0	8 34	212	15 49	154	58
13				169	172	173	174	175	176	177	178	172	165	162	158	161	164	154	155	156	161	171	172	171	167	161	168	167	1	7 18	179	14 34	150	29
14			✓	173	175	175	176	178	178	179	179	178	173	166	150	157	152	145	151	157	165	170	170	169	169	165	165	167	1	7 38	180	14 21	142	38
15			✓	166	168	172	177	177	178	187	194	179	161	139	134	140	133	128	135	147	155	164	165	165	165	167	168	161	2	7 26	196	14 28	125	71
16				169	172	173	172	173	175	177	182	179	172	164	157	152	146	140	150	160	162	168	168	169	170	170	170	166	0	7 38	183	14 28	139	44
17				171	172	173	173	175	175	177	177	170	162	154	154	157	151	150	152	158	162	165	166	168	169	169	172	166	0	7 02	180	14 48	150	30
18	✓			173	173	174	175	176	177	179	179	172	169	168	169	168	165	161	158	158	160	164	165	169	170	170	172	169	0	6 48	180	16 48	157	23
19	✓	✓		173	173	175	175	175	176	176	175	172	177	183	190	188	186	182	172	169	168	169	170	170	172	172	173	175	0	11 38	193	17 58	168	25
20	✓			172	172	174	175	176	176	176	172	160	154	149	148	149	139	142	144	148	157	163	165	167	168	168	168	162	0	6 19	178	13 33	137	41
21				169	171	172	171	175	175	175	173	169	168	168	168	171	172	175	172	168	164	168	169	171	172	171	172	171	0	5 53	176	17 08	163	13
22				171	173	174	176	176	172	168	166	160	157	154	157	161	161	164	163	163	163	167	168	168	168	168	171	166	0	3 28	178	10 23	153	25
23				170	168	172	172	174	174	175	176	175	168	159	157	155	161	159	157	156	160	164	168	168	169	169	169	166	1	7 11	176	12 21	151	25
24	✓	✓		170	171	173	175	175	174	171	167	161	157	153	148	146	148	153	159	161	163	167	168	168	169	169	169	164	0	5 50	175	12 40	145	30
25	✓	✓		171	172	175	175	176	177	182	186	182	173	164	162	162	157	159	161	162	163	167	167	168	170	169	168	170	0	7 28	187	13 28	157	30
26			✓	169	172	175	175	174	176	179	179	171	161	144	139	141	145	150	155	161	164	168	168	169	168	168	171	164	1	6 45	180	11 55	135	45
27			✓	172	172	175	175	175	176	182	186	176	165	157	150	149	149	149	147	153	160	166	164	157	156	165	167	164	1	7 18	187	15 08	145	42
28			✓	168	171	171	174	175	177	182	184	176	168	164	158	154	147	142	145	152	154	161	165	168	168	168	167	165	1	7 06	186	14 46	141	45
29				165	169	171	172	174	176	182	186	182	177	172	168	156	153	151	152	157	160	164	168	171	171	171	170	168	0	7 24	186	14 48	150	36
30				171	173	175	175	176	182	188	189	186	161	161	156	150	144	139	140	144	151	161	168	168	168	164	162	165	1	7 12	195	13 54	135	60
31																																		
MEANS ALL DAYS				172	173	174	175	176	177	179	180	175	168	163	160	160	157	154	154	157	162	167	168	169	170	170	171	168						36
MEANS TEN DAYS *				171	172	174	174	175	176	176	176	170	166	163	164	163	159	158	156	158	161	166	167	168	170	170	170	168						32
MEANS FIVE DAYS † (G. M. T.)				171	171	174	174	175	175	177	177	173	172	171	172	168	165	163	160	161	163	165 166 / 166 167		168	169	169	170	169						
MEANS FIVE DAYS ‡ (G. M. T.)				170	172	174	175	176	177	182	184	176	166	154	146	148	145	143	147	154	160	166	168	167	166	166	168	164						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 134

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	171	174	172	174	172	175	178	179	176	169	167	164	150	139	135	134	138	150	160	164	168	169	168	168	163	1	7	18	15	05	48
2				167	171	174	174	174	175	177	178	174	164	166	168	157	156	162	164	160	159	164	167	171	171	172	171	168	0	7	45	13	14	30
3				172	173	174	174	175	175	178	181	178	175	170	164	163	162	156	156	155	157	164	168	169	170	171	171	169	0	7	08	16	48	28
4				172	173	173	174	175	177	179	183	183	183	180	174	175	174	167	159	155	157	167	168	168	168	170	170	172	0	7	51	16	18	32
5	✓	✓		172	172	172	175	176	177	172	165	156	157	160	158	162	164	164	159	157	161	168	169	171	171	171	167	166	0	5	38	8	51	25
6				168	170	172	173	175	175	169	161	151	153	151	151	149	153	157	154	157	161	167	168	168	169	169	168	163	0	5	32	12	46	31
7			✓	168	169	169	169	171	172	172	174	171	165	152	140	141	144	148	150	155	162	168	169	171	169	171	166	163	1	7	38	11	57	43
8			✓	166	172	174	176	173	174	176	180	176	167	161	158	162	158	159	161	162	163	166	168	169	169	169	169	168	1	7	18	11	20	57
9				169	170	173	173	177	177	181	182	175	166	162	161	164	168	168	162	161	163	167	166	167	166	166	168	169	0	6	58	11	58	25
10				169	172	173	174	176	175	173	169	162	158	154	153	156	161	162	161	160	165	170	167	167	168	167	168	166	0	4	48	11	49	26
11				171	171	172	172	175	176	182	184	176	161	157	157	153	152	151	151	153	157	164	165	166	167	167	167	165	0	6	51	14	58	35
12	✓			168	171	172	172	173	175	180	187	183	168	160	156	153	146	139	140	147	155	164	168	167	167	167	168	164	0	7	49	14	14	49
13	✓			167	169	171	172	173	174	179	182	175	164	158	150	143	146	150	149	151	157	164	167	167	166	165	165	164	0	7	25	12	29	40
14	✓	✓		167	168	170	171	172	172	176	182	182	176	171	161	149	147	143	139	147	157	165	168	167	166	165	165	164	0	7	48	15	18	47
15	✓	✓		166	168	169	171	171	171	172	176	174	172	171	167	158	157	157	148	151	157	164	165	165	165	166	166	165	0	7	53	15	28	32
16				167	167	168	169	172	172	178	183	172	171	169	163	161	157	156	145	142	151	161	165	164	164	163	162	164	1	7	15	16	08	46
17				164	167	168	169	171	171	174	181	183	176	176	175	176	173	167	160	156	161	167	168	167	168	167	167	170	0	8	30	16	18	31
18	✓			166	167	168	168	169	168	165	163	157	153	151	153	154	153	155	152	152	155	164	167	167	167	166	166	161	0	5	26	15	58	21
19				168	168	169	170	171	171	172	175	176	172	168	170	162	157	158	150	147	157	168	169	169	168	168	165	166	0	7	21	16	04	33
20				166	169	169	169	170	168	167	165	170	161	161	161	161	161	162	160	157	159	167	172	171	172	173	172	166	0	22	40	16	50	19
21	✓	✓		172	173	174	176	177	174	173	171	163	153	147	148	150	158	162	163	159	161	167	169	171	172	172	171	166	0	4	08	10	50	31
22	✓			172	175	176	176	177	176	173	165	161	157	154	153	154	157	159	154	153	158	168	169	169	169	169	169	165	0	5	39	16	08	26
23				169	172	172	176	177	177	179	181	178	173	163	161	154	155	153	149	151	158	166	168	169	169	169	169	167	1	7	13	15	08	35
24				169	171	173	176	179	181	184	189	187	184	179	184	184	178	172	164	161	161	166	166	170	170	168	169	174	1	7	35	16	58	31
25			✓	170	170	174	176	177	179	183	183	196	195	183	170	157	150	149	149	153	159	169	169	170	167	166	166	170	1	8	51	15	08	54
26			✓	169	172	172	173	177	177	180	175	167	164	155	142	142	139	136	138	146	156	162	164	165	165	166	166	161	1	6	48	13	52	50
27				165	166	170	174	175	175	176	177	183	173	159	147	139	140	143	147	153	157	162	165	167	166	165	164	163	1	8	08	13	11	47
28				166	168	169	172	172	174	179	179	177	183	172	163	161	152	137	142	149	154	161	166	166	166	166	166	165	1	6	55	14	38	52
29				166	166	169	172	173	173	170	169	161	159	158	149	131	124	126	129	141	150	160	165	165	165	165	165	157	0	4	38	13	48	53
30	✓			165	167	168	171	172	171	176	182	178	175	168	155	134	129	135	138	144	151	159	164	166	166	166	165	161	0	7	32	13	38	55
31	✓	✓		164	165	168	171	172	172	173	178	176	174	168	160	153	145	142	142	147	154	160	165	167	166	165	167	163	0	7	40	14	28	38
MEANS ALL DAYS				168	170	171	173	174	174	176	177	173	168	164	159	155	153	153	151	152	158	165	167	168	168	168	167	165						37
MEANS TEN DAYS ✱				168	170	171	172	173	173	174	175	170	165	161	156	151	150	151	148	151	157	164	167	168	168	167	167	164						36
MEANS FIVE DAYS † (G. M. T.)				168	169	171	173	174	173	173	174	170	166	163	159	154	154	154	150	152	158	164 165	168 167	168	168	168	167	165						
MEANS FIVE DAYS ‡ (G. M. T.)				169	171	172	174	174	175	178	178	177	172	164	155	150	146	145	146	151	158	165	168	169	169	168	166	165						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 135

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1938 — NOVEMBER 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				168	168	170	172	174	176	176	172	164	174	171	159	153	149	142	140	146	153	160	167	168	168	167	166	163	0	5 21	179	14 56	138	41
2				165	167	167	169	172	172	169	169	168	163	164	164	166	162	158	150	151	155	162	168	169	168	167	167	165	0	5 18	176	16 09	148	28
3	✓	✓		164	165	167	171	175	173	168	164	160	157	155	152	146	138	141	141	147	155	162	167	168	167	167	166	160	0	5 16	176	13 25	137	39
4	✓			166	168	169	170	171	171	168	166	160	156	151	148	149	152	148	146	148	155	161	166	166	164	165	164	160	0	5 15	173	16 08	145	28
5	✓			164	164	168	171	172	170	170	170	168	166	161	163	160	160	160	159	162	162	165	167	167	167	167	165	165	0	4 38	172	15 21	157	15
6	✓			166	166	166	170	171	170	170	167	164	162	154	149	151	151	152	151	155	158	159	166	167	167	165	164	162	0	5 19	172	11 51	148	24
7				164	165	167	170	171	171	177	186	189	185	182	179	177	174	167	159	157	157	160	164	165	164	164	163	170	0	8 52	189	17 18	156	33
8			✓	163	163	164	168	171	170	171	173	179	183	183	179	178	167	160	157	156	156	159	164	164	165	163	161	167	1	10 09	189	16 35	153	36
9			✓	163	165	167	168	170	170	174	176	173	172	165	156	148	138	143	146	150	155	158	160	162	165	166	165	161	1	7 02	179	13 44	137	42
10				164	166	169	169	170	170	172	175	176	170	163	159	154	152	157	159	158	158	162	166	166	166	166	165	165	0	8 08	178	13 08	150	28
11	✓			165	166	167	169	170	173	176	181	177	167	163	163	156	147	142	140	148	155	158	164	164	164	163	163	163	0	7 48	181	15 12	139	42
12	✓	✓		164	164	167	168	171	171	174	177	175	169	166	156	145	134	134	137	144	154	162	167	165	164	165	164	161	0	7 53	178	13 50	132	46
13	✓	✓		163	163	164	167	170	171	171	173	169	162	156	148	137	127	129	140	151	153	159	164	166	163	163	162	158	0	6 51	174	13 35	125	49
14				163	163	165	167	169	170	173	182	186	178	171	161	149	141	145	149	154	156	159	164	166	164	165	165	164	0	8 56	188	13 51	137	51
15				167	167	168	168	169	172	179	188	192	190	180	174	164	152	141	138	142	151	160	167	167	165	164	163	166	0	8 50	194	15 16	136	58
16				163	165	166	168	168	168	174	180	183	178	170	164	153	148	137	133	139	149	156	161	162	163	161	160	161	0	8 16	184	15 38	132	52
17			✓	161	162	164	165	165	165	168	169	166	166	161	168	156	153	151	143	144	150	157	160	161	161	159	159	160	1	7 07	175	16 38	143	32
18				159	161	163	165	168	172	176	187	189	177	167	161	158	153	138	131	136	147	152	160	161	161	161	161	161	0	8 18	192	14 58	129	63
19				160	161	163	166	168	170	169	165	160	158	156	153	154	154	145	139	139	146	156	161	161	161	162	162	158	0	5 28	172	15 48	138	34
20				165	165	165	166	167	170	173	175	171	168	162	153	150	150	155	155	154	155	157	163	164	165	166	166	162	0	7 01	177	13 00	145	32
21			✓	165	165	165	167	170	172	170	174	178	178	182	176	162	164	163	158	151	154	159	162	162	161	163	164	166	1	10 35	188	16 28	149	39
22				166	166	166	169	171	170	171	169	162	155	154	153	150	144	144	144	146	152	155	162	163	162	162	163	159	0	6 43	174	13 18	143	31
23				165	165	166	167	170	171	169	167	158	152	151	161	160	150	140	143	145	152	158	163	163	163	162	162	159	1	5 15	173	14 28	138	35
24				160	162	163	167	169	167	163	158	155	156	151	144	143	146	150	148	147	151	155	163	163	162	161	162	157	0	4 51	170	12 58	142	28
25				162	162	163	166	167	169	178	183	182	179	167	156	152	157	157	152	148	147	153	161	161	161	161	163	163	0	7 38	185	16 51	145	40
26			✓	161	161	163	163	167	165	163	168	176	175	167	165	149	145	146	149	155	159	156	162	164	164	163	163	161	1	8 26	179	13 01	142	37
27				163	164	164	164	165	168	175	183	180	175	171	167	159	159	157	153	149	155	160	163	164	164	163	163	164	0	7 44	185	16 08	148	37
28	✓	✓		163	163	166	167	168	171	174	182	182	171	168	166	159	148	138	141	148	152	156	163	163	162	162	162	162	0	7 48	186	14 48	137	49
29	✓			162	163	164	165	167	168	168	168	170	166	166	163	153	147	136	134	139	145	152	161	162	163	163	161	159	0	8 28	171	14 48	133	38
30	✓	✓		161	163	164	166	167	168	172	175	176	173	172	172	168	166	161	163	156	155	157	164	164	164	164	164	166	0	8 15	177	17 28	154	23
31																																		
MEANS ALL DAYS				164	164	166	168	169	170	172	174	173	169	165	161	155	151	148	147	149	153	158	164	164	164	164	163	162						38
MEANS TEN DAYS *				164	164	166	168	170	171	171	172	170	165	161	158	152	147	144	145	150	154	159	165	165	164	164	164	161						35
MEANS FIVE DAYS † (G. M. T.)				163	164	166	168	170	171	172	174	172	166	163	159	151	143	141	144	149	154	159 159	165 165	165	165	164	164	161						
MEANS FIVE DAYS ‡ (G. M. T.)				163	163	165	166	169	168	169	172	174	175	172	169	159	153	153	151	151	155	158	163	163	164	163	163	163						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 136

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1938

DECEMbER 1938

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		164	164	165	166	168	166	164	172	178	175	173	175	167	157	146	141	145	148	154	161	162	162	162	161	162	0	8	16	179	15	16	140	39
2			✓	162	162	163	164	166	166	166	175	188	181	180	184	177	177	169	158	148	151	158	164	165	165	165	164	167	1	8	28	193	16	42	146	47
3			✓	164	164	165	166	168	168	169	175	178	176	181	189	191	181	165	165	154	148	157	162	165	165	164	164	168	1	12	21	195	17	28	144	51
4				165	164	165	166	165	165	165	168	168	164	165	169	167	158	146	134	134	145	156	164	166	166	165	163	161	0	11	48	172	15	58	131	41
5				163	163	164	164	165	163	157	166	169	168	163	153	140	128	129	129	133	144	156	163	163	163	163	162	155	0	8	04	171	13	44	127	44
6				163	163	163	163	166	164	170	179	181	178	179	172	155	152	161	160	156	158	162	165	165	164	162	162	165	0	7	58	183	13	28	150	33
7	✓			162	163	165	166	167	162	163	172	177	175	168	160	150	150	149	147	149	154	161	162	162	163	164	164	161	0	8	21	178	15	48	146	32
8	✓	✓		164	163	164	166	168	167	174	185	181	171	167	166	158	148	141	137	137	144	154	161	161	160	161	160	161	0	7	28	186	16	08	135	51
9				162	161	163	164	165	166	169	171	168	161	153	147	142	142	145	148	151	153	157	164	161	158	159	159	158	0	7	32	173	13	08	140	33
10			✓	159	161	163	165	167	165	168	171	167	153	146	149	138	131	142	142	152	160	164	165	162	160	160	162	157	1	7	12	174	13	03	126	48
11				161	161	162	163	165	166	169	172	172	170	166	160	149	143	145	145	152	156	156	164	165	166	164	163	161	0	6	53	175	15	08	141	34
12				162	162	165	165	167	169	175	186	184	177	178	167	157	145	135	138	142	146	152	160	162	163	163	162	162	0	7	44	188	14	37	133	55
13				161	161	163	164	165	169	170	178	179	173	168	161	149	138	140	142	145	149	156	166	166	162	163	164	160	0	7	28	180	13	38	137	43
14				163	162	162	164	164	165	168	169	167	161	157	149	143	143	144	145	148	152	158	163	164	165	165	162	158	0	7	31	170	13	18	139	31
15				160	161	162	162	163	164	167	178	180	180	173	158	140	134	134	139	148	153	157	164	165	165	164	163	160	0	9	22	184	13	58	131	53
16			✓	162	162	160	160	162	163	171	179	172	172	167	145	135	131	141	142	149	150	150	157	162	162	159	159	157	1	7	08	183	13	36	130	53
17				159	159	161	160	163	164	168	175	178	171	172	168	156	134	115	120	135	145	152	161	161	163	163	162	157	1	8	27	182	14	31	111	71
18			✓	162	161	161	164	165	161	164	170	169	153	144	149	151	160	169	172	160	157	160	164	163	162	161	158	161	1	14	55	179	11	04	142	37
19				158	158	158	162	167	165	165	166	165	161	157	155	151	155	156	148	145	146	151	160	163	162	161	160	158	0	5	13	169	16	48	144	25
20				160	161	161	163	165	163	162	168	165	156	157	165	171	188	180	164	156	153	156	163	164	163	162	161	164	0	13	53	193	17	48	152	41
21				160	160	161	163	165	165	165	172	171	169	179	175	162	156	154	155	154	154	157	163	162	162	160	160	163	0	10	28	180	14	37	152	28
22				157	157	157	164	169	169	169	182	175	165	159	150	146	147	150	156	156	155	156	164	163	164	163	163	161	1	7	28	184	12	12	145	39
23				163	164	164	164	165	164	162	164	167	164	156	154	151	146	149	151	148	149	153	162	163	163	163	162	159	0	8	57	168	13	58	142	26
24	✓	✓		162	162	163	165	167	166	170	174	165	149	133	125	126	129	128	134	145	148	149	158	159	158	159	159	152	0	7	18	175	11	53	121	54
25	✓			160	161	163	164	166	166	164	159	151	138	137	129	118	118	120	129	141	149	155	162	163	163	163	163	150	0	5	21	168	13	58	116	52
26	✓	✓		162	163	164	165	167	169	172	168	151	135	118	112	117	119	125	138	155	157	157	163	164	163	162	161	151	0	6	38	174	11	15	111	63
27	✓			162	162	164	164	165	166	166	165	158	149	142	137	137	137	139	142	149	153	156	164	164	164	162	162	155	0	5	26	168	13	18	135	33
28				162	162	164	164	166	168	170	175	166	158	154	150	134	132	133	143	148	154	156	162	161	160	160	159	157	0	7	33	176	12	41	130	46
29	✓			159	159	160	162	164	164	164	164	161	158	159	157	145	149	148	142	138	145	152	160	161	162	162	161	156	0	5	28	166	16	38	138	28
30	✓			161	161	162	163	164	164	166	175	179	176	176	173	184	184	186	173	159	157	160	164	164	163	162	160	168	0	12	58	192	18	08	156	36
31	✓	✓		160	160	161	164	165	167	162	156	146	139	142	144	135	139	133	133	137	145	155	163	163	163	162	161	152	0	5	28	168	14	28	132	36
MEANS ALL DAYS				161	162	163	164	166	165	167	172	170	164	160	156	150	147	146	146	147	151	156	163	163	163	162	161	159								42
MEANS TEN DAYS ✱				162	162	163	164	166	166	166	169	165	156	152	148	144	143	142	142	146	150	155	162	162	162	162	161	157								42
MEANS FIVE DAYS † (G. M. T.)				162	162	163	165	167	167	168	171	164	154	147	144	141	138	135	137	144	148	157 154	163 161	163	163	163	163	156							
MEANS FIVE DAYS ‡ (G. M. T.)				162	162	162	164	166	165	168	174	175	167	164	163	158	156	157	156	153	153	158	163	163	163	163	162	162								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

⌈ ⌋ = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 137

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1939

JANUARY 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		612	607	606	607	609	605	597	616	635	646	651	645	645	631	617	618	617	615	614	619	623	623	617	614	620	0	9 57	656	6 18	595	61
2	✓			607	606	606	606	606	611	610	620	634	642	653	650	627	613	615	616	607	610	614	623	624	623	616	613	619	0	11 11	656	4 10	605	51
3	✓	✓		607	606	606	607	610	605	593	605	627	643	665	667	653	653	650	643	629	622	611	617	624	624	620	615	625	0	11 10	676	6 24	590	86
4	✓			613	607	606	610	611	612	610	625	638	655	666	654	633	606	615	625	625	622	616	621	627	626	624	615	623	0	10 45	670	13 38	604	66
5			✓	620	619	613	610	607	601	586	600	617	636	662	682	677	666	661	655	638	623	613	621	625	621	621	623	629	1	11 40	693	6 29	581	112
6				618	614	614	611	609	606	593	597	615	626	648	649	629	618	616	606	608	616	616	625	626	627	626	625	618	0	11 13	661	6 38	590	71
7				621	617	615	614	616	616	614	610	612	625	643	643	623	621	625	616	609	613	616	626	629	628	625	623	621	0	11 23	652	16 51	605	47
8				617	616	615	614	616	613	610	623	639	654	663	645	633	621	631	636	623	620	611	619	623	622	621	616	625	0	10 33	669	5 58	606	63
9			✓	614	613	606	605	615	615	596	605	625	644	661	646	642	639	635	623	623	618	607	623	624	626	625	616	623	1	10 42	664	6 38	593	71
10				612	613	616	616	616	616	600	610	629	658	673	665	651	625	624	617	615	617	615	626	628	625	623	623	626	0	10 12	676	6 40	599	77
11				620	616	616	616	617	616	614	622	636	651	664	647	620	610	618	623	624	614	610	621	626	623	623	616	623	0	10 21	667	13 23	606	61
12				618	617	618	619	622	620	612	631	639	642	645	645	630	617	627	627	623	615	609	616	623	623	621	621	624	0	11 00	650	6 18	607	43
13	✓			618	616	616	616	618	617	606	616	635	643	646	651	655	650	643	645	643	630	613	614	620	617	618	619	628	0	11 55	658	6 18	605	53
14				613	607	607	613	616	617	606	617	632	644	649	637	647	676	687	665	647	631	611	613	616	617	616	615	629	0	14 12	691	6 43	601	90
15				606	606	607	608	614	618	612	617	626	632	638	644	652	655	665	661	655	635	617	616	616	617	617	617	627	0	14 18	667	2 24	605	62
16				614	608	606	604	606	611	610	629	652	666	671	665	676	672	660	655	628	617	620	619	625	622	619	616	632	0	12 43	682	3 38	603	79
17			✓	612	608	606	608	611	603	584	593	630	665	698	697	667	656	636	644	634	631	622	625	625	625	623	616	630	0	11 12	710	6 38	577	133
18				609	607	614	614	613	609	606	617	634	643	647	652	633	614	607	614	616	608	607	616	618	621	621	618	619	0	11 16	665	6 18	603	62
19				615	614	613	613	611	606	596	610	632	646	663	666	646	627	635	635	625	616	618	624	624	626	620	617	625	0	10 58	673	6 18	593	80
20				614	608	608	606	604	601	587	606	634	648	656	657	653	634	621	614	606	601	603	615	619	622	619	615	619	0	11 22	659	6 31	584	75
21			✓	610	605	606	607	603	602	593	610	643	660	647	655	656	654	653	646	642	632	620	622	617	615	614	614	626	1	9 34	665	6 20	590	75
22			✓	611	605	602	603	604	603	587	603	623	630	655	634	638	652	636	618	612	606	606	613	617	617	617	614	616	1	13 31	663	6 38	585	78
23				605	605	606	607	605	606	600	608	630	643	646	644	636	640	651	654	643	627	617	618	620	618	616	614	623	0	14 39	657	6 35	596	61
24				611	604	605	605	611	610	595	607	628	651	666	675	685	666	645	634	624	616	610	617	618	616	615	612	626	0	12 28	689	6 32	593	96
25				610	605	605	606	611	612	603	613	634	652	659	658	657	656	650	629	616	617	610	615	616	616	615	613	624	0	10 00	663	6 43	600	63
26	✓	✓		609	608	607	608	613	611	593	597	617	635	645	653	652	645	645	650	624	617	610	614	618	617	616	613	622	0	12 08	658	6 48	587	71
27	✓	✓		608	607	606	607	611	613	605	618	630	636	645	644	645	646	647	644	613	611	614	615	617	617	616	614	622	0	14 55	652	6 25	601	51
28	✓			609	606	604	604	606	606	598	598	604	611	624	635	654	651	634	606	584	591	603	609	620	624	619	616	613	0	12 50	666	16 38	581	85
29	✓			609	608	607	607	613	615	606	610	624	626	623	641	646	639	636	631	626	618	615	618	624	619	617	614	620	0	11 58	648	6 48	604	44
30	✓	✓		607	607	606	606	610	609	604	603	608	615	624	638	644	640	634	626	617	608	605	608	615	615	615	609	616	0	12 23	647	6 58	598	49
31				608	606	605	606	605	611	606	621	644	647	645	647	645	639	646	650	634	618	608	613	616	614	617	617	624	0	9 14	657	4 32	602	55
MEANS ALL DAYS				612	609	609	609	611	610	601	612	629	642	652	653	647	640	638	633	624	617	612	618	621	621	619	616	623						70
MEANS TEN DAYS ✲				610	608	607	608	611	610	602	611	625	635	644	648	645	637	634	630	618	614	612	616	621	620	618	614	621						62
MEANS FIVE DAYS † (G. M. T.)				609	607	606	607	611	609	598	608	623	635	646	649	648	643	639	636	620	615	611 611	618 615	621	620	617	614	621						
MEANS FIVE DAYS ‡ (G. M. T.)				613	610	607	607	608	605	589	602	628	647	661	663	656	653	644	637	630	622	614	619	622	621	619	615	625						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 138

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1939 — FEBRUARY 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	616	614	613	607	611	605	598	603	608	602	608	636	646	656	657	639	604	594	596	612	622	624	628	630	618	1	13 03	666	18 08	590	76
2				627	625	625	625	623	619	603	605	618	626	643	645	639	640	645	647	637	620	612	616	619	619	624	622	626	1	12 14	655	6 58	597	58
3				622	622	621	621	618	611	600	600	604	608	620	633	640	656	653	641	626	608	606	606	616	617	623	619	620	1	13 28	665	6 48	596	69
4				622	617	616	615	616	615	603	605	612	629	650	660	646	643	646	640	626	614	609	612	616	617	617	620	624	0	11 38	661	6 28	600	61
5				620	620	618	620	622	616	597	597	607	617	627	639	648	648	645	633	616	606	605	616	619	617	616	616	620	1	14 55	653	7 01	594	59
6			✓	616	611	610	614	613	606	591	596	613	618	630	660	656	659	651	639	637	631	620	624	627	627	630	635	626	1	11 43	673	7 00	581	92
7			✓	635	634	628	629	626	616	597	594	596	608	633	654	677	688	681	663	644	624	609	618	619	623	625	622	631	0	13 48	694	6 44	591	103
8	✓			623	621	618	618	621	618	594	585	588	597	607	619	635	651	644	631	627	615	607	619	623	623	624	625	618	0	13 38	656	7 28	584	72
9				621	618	617	618	624	627	604	597	608	620	634	651	659	654	638	631	627	620	614	617	621	623	622	624	625	0	12 34	668	7 31	595	73
10				624	624	619	621	623	623	606	598	598	604	615	646	657	657	651	646	628	618	614	617	617	614	614	613	623	1	13 10	664	7 25	594	70
11				611	606	608	612	613	607	601	604	617	628	646	660	661	664	656	644	625	617	611	608	615	616	615	615	623	0	12 01	666	6 52	598	68
12	✓	✓		614	613	610	611	611	610	598	596	606	621	637	655	659	651	633	621	614	608	607	615	617	618	617	618	619	0	12 01	663	6 58	592	71
13	✓	✓		618	615	611	608	607	606	596	595	603	619	631	639	639	635	639	638	624	614	609	615	615	615	614	612	617	0	15 18	648	6 48	593	55
14	✓			608	606	604	606	605	603	588	586	594	604	617	635	638	644	639	626	611	606	606	614	616	616	617	615	613	0	12 10	649	7 28	583	66
15				608	606	603	602	605	600	586	585	598	614	621	631	636	637	637	633	624	610	607	610	616	615	614	606	613	1	13 30	648	7 21	582	66
16				607	603	603	602	607	605	586	584	594	612	635	636	644	644	634	625	617	613	612	617	617	615	615	613	614	1	12 58	653	7 31	581	72
17				608	608	604	602	607	610	596	598	604	614	626	644	648	647	646	638	626	618	616	615	616	617	617	616	618	1	11 50	651	6 40	594	57
18				610	607	606	610	608	607	589	580	584	593	606	614	635	645	637	628	627	623	616	615	616	615	615	614	612	0	13 35	653	6 57	576	77
19				611	608	606	609	614	613	601	599	610	623	638	657	658	654	648	641	628	617	608	614	617	616	614	611	621	0	11 45	665	6 58	594	71
20	✓			611	611	611	611	614	613	598	594	598	612	638	653	654	647	634	628	626	624	614	616	615	614	611	608	619	0	11 50	658	7 08	591	67
21	✓	✓		607	607	607	608	611	611	596	594	603	617	628	638	648	656	656	641	626	615	608	613	613	612	608	607	618	0	13 58	663	6 48	591	72
22	✓	✓		606	605	605	605	608	608	590	585	587	601	615	621	624	627	632	618	614	608	606	608	613	615	618	617	610	0	14 38	634	7 38	583	51
23	✓			616	614	614	613	615	615	605	605	614	621	631	641	641	640	635	628	623	615	612	614	621	621	619	619	620	0	11 18	646	7 08	600	46
24			✓	610	610	611	616	616	613	601	587	576	587	588	608	647	635	666	655	647	635	637	648	660	652	641	636	624	2	14 45	685	8 31	566	119
25			✓	633	622	616	615	601	607	603	595	614	643	670	675	669	678	675	665	650	635	623	624	625	626	625	621	634	2	11 00	685	7 15	588	97
26	✓			617	615	614	615	617	617	608	606	613	619	637	655	648	635	637	627	617	617	613	617	618	619	618	616	621	0	11 26	658	7 08	605	53
27	✓	✓		616	614	610	613	615	617	606	604	608	614	626	631	636	643	645	643	626	615	614	616	616	616	616	615	620	0	14 36	647	6 48	601	46
28				611	614	614	616	618	619	611	604	604	604	618	638	646	658	657	645	631	617	614	622	622	617	618	618	622	0	13 45	664	9 08	600	64
29																																		
30																																		
31																																		
MEANS ALL DAYS				616	614	612	613	614	612	598	596	603	613	628	642	648	650	647	638	626	616	612	616	620	619	619	618	620						70
MEANS TEN DAYS ✲				614	612	610	611	612	612	598	595	601	612	627	639	642	643	639	630	621	614	610	615	617	617	616	615	618						60
MEANS FIVE DAYS † (G. M. T.)				612	611	609	609	610	610	597	595	601	614	627	637	641	642	641	632	621	612	611 609	614 613	616	616	614	613	617						
MEANS FIVE DAYS ‡ (G. M. T.)				622	618	616	616	613	609	598	595	601	612	626	647	659	663	666	652	636	624	617	623	629	626	625	625	626						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 139

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1939 — MARCH 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MINIMUM (H M)	RANGE
1				617	613	615	618	615	616	604	593	594	593	606	608	608	622	627	629	628	623	616	623	617	621	617	621	614	1	14 56 641	9 05 584	57
2				619	622	619	627	627	625	613	605	612	617	632	641	645	650	647	635	625	616	609	616	617	616	616	611	623	1	13 34 655	7 28 601	54
3				615	613	608	615	617	615	608	605	613	618	627	642	641	655	647	635	618	615	608	611	611	614	617	618	620	1	13 16 665	8 07 600	65
4				623	622	624	626	621	624	603	597	609	632	643	647	651	645	642	622	616	607	607	611	617	619	619	619	623	1	12 18 656	7 03 592	64
5	✓			619	614	617	616	617	616	598	597	606	614	625	619	625	622	616	616	614	608	605	614	616	616	614	613	614	0	12 38 633	7 22 591	42
6				615	614	617	615	610	610	600	588	594	607	626	629	634	631	627	617	610	607	608	614	613	615	619	616	614	0	12 21 637	7 28 586	51
7	✓	✓		616	614	614	614	616	617	614	611	611	613	617	624	619	618	615	609	609	609	608	612	612	616	617	616	614	0	11 48 628	18 20 606	22
8				613	611	617	618	623	624	614	616	625	636	647	653	655	650	636	612	601	605	610	616	616	614	613	612	622	0	12 09 661	16 12 599	62
9				608	604	603	592	601	608	603	607	613	618	623	618	619	616	622	617	614	608	608	616	617	617	615	614	612	1	10 34 628	3 28 588	40
10	✓			611	608	609	608	608	609	602	595	597	606	616	633	634	637	634	628	617	611	611	615	616	615	613	612	614	1	11 18 639	7 56 592	47
11				611	606	605	605	603	610	607	612	615	614	625	621	625	624	616	612	610	612	615	618	616	616	614	608	613	1	10 37 637	4 35 602	35
12				609	608	607	610	610	613	604	604	613	626	634	640	644	644	640	626	620	617	616	616	614	613	613	610	619	1	12 04 650	7 08 598	52
13	✓	✓		608	607	606	606	604	606	603	598	605	606	612	616	624	625	623	610	599	598	605	608	611	610	611	611	609	0	14 12 627	7 18 596	31
14	✓			607	605	605	606	606	605	596	591	597	606	621	626	644	654	648	632	616	607	607	611	611	612	610	607	614	0	13 29 656	7 02 586	70
15				607	607	609	608	611	611	595	589	601	599	605	611	605	615	616	609	613	614	616	616	615	615	612	609	609	1	12 02 625	7 12 586	39
16				608	608	606	606	600	604	605	605	616	621	631	643	653	656	651	637	620	609	610	611	611	612	612	607	618	1	13 18 665	4 52 596	69
17				603	602	606	611	613	614	611	605	610	616	612	623	627	635	634	633	618	608	613	614	612	612	611	607	615	1	13 02 640	0 48 599	41
18	✓	✓		607	607	606	605	607	611	602	606	616	622	628	634	638	645	640	622	611	606	606	606	607	608	610	607	615	0	13 58 647	6 40 598	49
19	✓	✓		606	606	606	606	607	607	602	597	602	599	597	605	616	626	620	614	608	606	607	609	608	615	613	607	608	0	14 08 632	10 18 595	37
20	✓			606	606	606	607	609	613	608	609	617	623	628	635	642	642	633	623	609	606	606	607	607	607	608	606	615	0	13 08 645	17 24 604	41
21				605	598	606	601	605	604	594	600	613	623	633	636	646	631	621	608	595	601	606	607	612	612	616	614	612	1	12 41 658	6 15 587	71
22			✓	608	606	602	607	614	616	603	601	596	614	632	635	634	634	633	625	620	608	609	614	611	613	614	612	615	1	11 03 646	8 24 592	54
23				614	609	611	613	613	607	597	595	605	614	625	625	626	625	614	607	605	606	606	608	608	611	612	610	611	0	10 41 630	7 04 591	39
24	✓			613	612	612	608	609	607	598	598	606	611	617	628	636	639	635	626	621	614	607	607	607	607	610	611	614	0	13 18 645	7 02 596	49
25	✓	✓		608	610	610	613	612	611	598	590	592	590	595	602	605	605	600	596	595	603	607	608	608	609	608	608	603	0	3 50 616	9 18 588	28
26				610	612	613	616	614	611	596	587	588	597	600	612	624	626	627	617	614	608	608	610	607	607	610	611	609	0	13 32 632	7 38 585	47
27			✓	612	610	607	608	609	608	596	599	608	615	622	630	635	630	619	601	595	594	608	608	613	612	614	609	611	1	12 42 646	17 23 586	60
28			✓	613	607	615	617	618	618	608	604	615	636	635	633	632	636	647	644	639	637	637	634	632	626	624	618	626	2	13 52 658	7 58 597	61
29			✓	621	618	619	614	616	617	613	606	606	626	623	635	636	637	637	627	618	614	607	608	608	613	616	615	619	2	12 48 648	7 45 595	53
30			✓	607	614	618	617	619	624	616	609	598	599	604	618	633	634	625	618	623	609	608	608	607	608	600	608	614	1	13 00 638	8 28 594	44
31				614	616	617	617	617	619	609	598	597	606	613	616	626	624	624	622	616	608	607	607	613	613	615	613	614	1	12 48 630	8 21 592	38
MEANS ALL DAYS				611	610	611	611	612	613	604	601	606	613	621	627	632	633	630	620	613	609	610	612	613	613	613	612	615				49
MEANS TEN DAYS ✲				610	609	609	609	610	610	602	599	605	609	616	622	628	631	626	618	610	607	607	610	610	612	611	610	612				42
MEANS FIVE DAYS † (G. M. T.)				609	609	608	609	609	610	604	600	605	606	610	616	620	624	620	610	604	604	610 607	611 609	611	611	613	610	610				
MEANS FIVE DAYS ‡ (G. M. T.)				612	611	612	613	615	617	607	604	605	618	623	630	634	634	632	623	619	612	614	613	614	614	616	613	617				

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 140

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1939 — APRIL 1939

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				604	605	607	609	614	616	612	614	619	624	627	634	624	622	612	603	602	602	602	615	609	612	613	610	613	1	11	28 638	18	37 600	38
2				608	609	609	614	615	615	607	606	607	605	602	606	617	624	614	617	623	615	613	615	613	614	616	614	612	1	13	08 628	10	08 595	33
3				610	614	614	606	609	615	619	627	627	625	624	619	625	622	608	597	597	607	609	609	614	615	611	610	614	0	7	42 633	16	02 594	39
4				613	616	615	612	613	615	617	617	624	624	624	614	612	609	597	589	607	621	622	616	617	615	614	612	614	1	8	38 629	15	41 577	52
5				609	608	607	613	605	605	606	614	622	621	629	629	635	625	615	609	609	605	607	607	607	609	610	609	613	0	12	06 642	3	05 600	42
6	✓	✓		606	607	607	609	608	610	612	612	615	616	612	615	618	617	614	606	607	608	608	607	607	609	608	607	610	0	12	46 621	1	05 602	19
7	✓	✓		605	606	606	606	604	602	596	600	607	620	634	632	627	619	607	605	602	604	606	605	605	608	611	607	609	0	10	29 636	6	43 593	43
8				606	607	606	606	605	604	602	596	597	609	624	631	635	636	624	632	615	606	604	605	607	609	608	606	612	1	13	26 644	7	49 594	50
9				604	602	604	605	607	607	612	617	619	618	618	617	617	617	615	613	609	606	609	613	607	608	607	602	611	1	8	32 633	24	00 597	36
10				599	603	605	605	613	620	625	626	617	615	617	628	635	629	619	612	607	608	615	609	609	609	608	606	614	1	13	06 640	0	52 598	42
11				605	607	605	605	604	605	602	597	597	595	595	615	628	637	635	625	623	612	607	606	607	607	604	602	609	1	12	52 644	8	52 583	61
12				601	607	609	617	618	618	616	608	609	615	618	619	617	615	618	621	615	613	611	608	608	607	607	608	613	1	6	51 623	0	48 599	24
13	✓	✓		605	605	605	610	615	618	621	614	608	607	607	609	608	611	607	605	605	598	606	605	605	605	605	605	608	0	6	24 627	17	18 597	30
14	✓			606	607	608	610	609	608	609	608	603	605	608	608	612	614	608	613	612	612	610	606	607	607	606	606	608	0	12	01 620	9	35 596	24
15	✓	✓		604	604	605	607	607	609	616	616	616	619	624	622	619	619	615	607	608	608	607	605	605	607	606	605	611	0	10	12 629	1	38 602	27
16	✓	✓		604	605	605	607	608	610	614	617	619	626	635	644	646	637	625	620	608	598	597	598	599	596	604	600	613	0	12	19 648	23	05 586	62
17			✓	625	621	626	619	627	662	629	623	648	655	625	625	625	634	643	625	608	615	620	624	621	620	620	618	627	2	8	25 689	3	49 595	94
18			✓	617	618	618	608	616	616	606	607	610	618	629	635	651	648	654	646	636	633	623	615	615	611	609	614	623	1	14	06 661	7	00 595	66
19				608	609	610	615	621	628	628	627	619	614	606	611	627	627	629	630	634	618	608	607	606	608	609	605	617	1	7	13 641	10	10 597	44
20				607	614	621	621	622	630	630	617	622	626	619	627	627	619	623	624	627	625	623	620	617	615	614	613	621	1	6	31 637	0	28 602	35
21				608	604	607	610	608	618	618	618	628	637	638	637	648	626	625	622	606	607	605	601	606	605	608	610	617	1	12	14 669	19	25 596	73
22				614	614	615	616	620	619	615	626	640	659	662	657	643	635	625	622	616	615	617	606	601	613	609	608	624	1	9	51 672	20	17 597	75
23			✓	605	604	624	636	651	658	634	636	644	657	655	642	649	656	647	635	622	617	615	612	616	616	614	611	632	2	9	08 672	1	23 593	79
24			✓	610	610	611	615	616	609	598	588	581	579	589	608	625	608	614	615	628	635	619	628	634	624	620	624	612	2	15	18 647	9	18 577	70
25			✓	627	626	626	618	632	625	621	626	625	632	636	644	645	636	625	619	614	607	613	617	613	614	609	609	623	2	9	20 654	17	38 605	49
26	✓			612	612	613	614	615	618	620	616	614	615	617	619	624	625	625	625	615	613	609	606	606	607	608	607	615	0	13	53 627	19	48 605	22
27				607	608	609	611	611	615	614	606	604	600	612	615	615	613	617	617	603	600	614	606	606	607	605	608	609	0	14	48 618	17	02 597	21
28	✓			606	608	614	618	620	625	627	624	619	602	600	615	619	629	630	624	610	603	601	604	607	607	605	603	613	0	14	01 637	9	53 595	42
29	✓			607	609	611	610	614	616	621	615	607	605	604	606	617	617	622	618	608	607	607	607	608	608	607	607	611	1	6	28 626	10	51 602	24
30	✓			607	607	609	609	613	617	615	598	587	583	567	573	587	607	619	626	625	616	607	605	605	607	608	605	604	0	15	38 628	10	48 559	69
31																																		
MEANS ALL DAYS				608	609	611	612	615	618	615	614	615	618	619	622	626	624	621	617	613	611	610	610	610	610	609	608	614						46
MEANS TEN DAYS ✲				606	607	608	610	611	613	615	612	610	610	611	614	618	620	617	615	610	607	606	605	605	606	607	605	610						36
MEANS FIVE DAYS (G. M. T.) †				605	605	606	608	608	610	612	612	613	618	622	624	624	621	614	609	606	603	609 605	607 604	607	608	607	607	611						
MEANS FIVE DAYS (G. M. T.) ‡				617	616	621	619	628	634	618	616	622	628	627	631	639	636	637	628	622	621	618	614	614	614	613	612	623						

CHARACTER: 1 = 11 cases; 2 = 2 cases; 0 = 18 cases

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 141

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1939 — MAY 1939

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM (H M)	MINIMUM (H M)	RANGE
1			✓	607	610	618	622	625	627	647	645	610	581	585	593	588	594	616	617	627	627	627	608	608	615	609	609	613	1	6 48 687	9 45 547	140
2			✓	609	616	609	616	629	627	634	634	626	628	630	624	627	632	626	623	624	617	617	619	623	617	613	607	622	2	10 04 644	2 28 605	39
3				608	601	607	607	613	619	634	640	640	645	628	629	624	627	630	618	614	615	617	611	606	607	607	606	619	1	9 41 647	1 42 599	48
4	✓			605	605	607	607	609	612	615	614	615	619	626	616	610	605	615	623	625	617	607	602	605	605	607	607	612	0	10 18 629	19 28 601	28
5				603	602	607	606	606	612	617	617	608	604	607	612	618	628	618	610	592	582	586	586	589	597	600	602	605	1	13 28 631	17 30 579	52
6			✓	606	608	606	607	607	607	608	622	626	615	629	631	634	635	638	618	608	619	615	610	617	608	610	610	616	1	13 38 647	0 19 601	46
7			✓	605	605	605	603	613	607	617	637	630	630	647	648	639	627	616	602	598	605	609	609	605	607	613	608	616	1	11 37 654	1 58 595	59
8			✓	605	597	595	595	606	608	625	635	637	623	625	625	625	622	617	601	598	597	597	602	605	609	605	603	611	1	8 30 647	3 23 586	61
9				610	608	609	607	599	607	610	617	607	597	588	595	598	608	607	608	607	606	606	602	606	606	606	605	605	1	7 19 625	10 41 586	39
10	✓			605	606	607	607	609	610	618	619	624	618	613	615	615	629	636	621	607	600	600	599	600	603	607	606	611	0	14 12 638	19 14 598	40
11	✓	✓		606	607	607	608	608	607	599	600	604	603	609	609	621	629	616	609	605	602	600	599	601	602	604	603	607	0	13 18 630	6 34 591	39
12	✓	✓		607	604	605	608	609	612	621	617	599	585	581	584	591	602	607	601	601	600	600	600	599	601	606	604	602	0	6 34 625	10 23 579	46
13	✓	✓		602	601	599	600	608	612	619	621	610	604	599	598	597	609	615	611	607	607	608	602	602	606	607	606	606	0	7 01 625	12 33 591	34
14	✓	✓		604	602	607	609	610	614	621	622	611	596	599	603	611	624	624	625	609	600	596	596	597	598	600	601	607	0	13 18 628	9 48 593	35
15	✓			601	606	610	614	614	625	640	640	628	610	611	612	619	620	621	616	599	597	599	598	599	600	602	597	612	0	6 48 649	17 08 593	56
16				599	608	609	610	621	619	629	622	601	587	579	582	601	610	610	606	600	600	600	601	602	604	604	605	605	1	7 07 637	11 08 577	60
17				608	610	609	610	615	621	630	626	610	589	595	603	601	600	609	612	605	600	600	600	608	608	608	607	608	0	6 48 634	9 38 587	47
18	✓			609	610	612	615	616	620	637	641	630	619	608	610	617	620	618	610	600	597	598	598	600	600	601	599	612	0	7 08 647	17 18 591	56
19				609	609	612	617	619	622	635	647	646	631	627	619	612	625	628	622	616	614	600	599	601	609	604	604	618	0	7 38 649	19 48 598	51
20				602	599	603	604	606	617	630	646	654	655	651	649	639	625	612	609	608	606	598	595	601	602	605	603	617	0	8 24 659	19 12 592	67
21				604	607	608	609	611	622	634	637	629	609	610	609	629	631	629	622	615	609	607	605	597	603	604	601	614	1	12 51 646	9 38 598	48
22				597	599	610	611	618	621	619	621	615	606	592	580	593	607	612	611	604	601	600	607	601	604	610	607	606	1	7 51 627	11 21 577	50
23				605	607	611	606	611	626	629	642	642	641	637	620	609	605	599	594	596	598	600	600	601	601	596	599	611	1	10 13 649	15 38 589	60
24				601	607	608	611	613	617	619	619	619	617	600	593	598	608	608	602	607	607	598	597	597	602	599	602	606	1	7 11 627	10 47 587	40
25				606	607	609	610	616	619	631	634	631	622	616	610	621	621	612	603	598	595	595	597	598	598	600	600	610	1	7 20 639	17 18 590	49
26				598	601	602	610	615	617	625	616	599	578	572	567	581	597	609	610	601	601	599	597	599	600	599	605	600	1	6 58 627	11 18 561	66
27				604	603	603	607	609	616	626	637	636	634	629	627	630	637	630	619	597	587	589	591	589	592	599	604	612	0	7 28 639	17 11 584	55
28				607	610	612	607	610	610	612	620	622	617	611	615	620	620	619	609	598	592	591	587	588	590	601	601	607	1	8 38 627	19 36 580	47
29				616	618	622	611	610	629	652	648	622	611	607	599	606	591	607	611	611	614	606	599	598	603	601	601	612	1	7 25 667	13 16 587	80
30	✓			600	601	601	600	602	608	617	617	607	593	591	592	597	601	607	609	606	601	599	598	599	600	603	601	602	0	6 36 621	9 50 588	33
31	✓	✓		603	602	606	607	606	609	619	628	626	621	612	609	609	619	627	617	607	605	597	597	600	601	600	598	609	0	7 11 629	18 53 595	34
MEANS ALL DAYS				605	606	608	608	612	616	625	628	621	613	610	609	612	616	617	612	606	604	602	600	601	603	604	604	610				52
MEANS TEN DAYS ✱				604	604	606	608	609	613	621	622	615	607	605	605	609	616	619	614	607	603	600	599	600	602	604	602	608				40
MEANS FIVE DAYS † (G. M. T.)				604	603	605	606	608	611	616	618	610	602	600	601	606	617	618	613	606	603	601 / 600	600 / 599	600	602	605	604	607				
MEANS FIVE DAYS ‡ (G. M. T.)				606	607	607	609	616	615	626	635	626	615	623	624	623	622	623	612	611	613	613	604	605	607	608	607	615				

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 142

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1939

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				599	599	599	601	601	607	620	627	622	618	608	600	617	618	619	609	603	597	596	598	600	599	600	597	606	1	7	28	631	18 08	592	39
2				599	601	598	588	591	599	601	616	616	610	599	602	602	608	609	619	615	605	598	597	600	602	602	600	603	1	8	38	622	4 08	583	39
3				597	597	593	593	601	607	609	618	618	609	604	607	613	616	628	620	607	601	601	598	601	601	600	597	606	0	14	44	630	3 03	585	45
4				591	596	596	599	601	609	617	620	619	602	592	586	587	587	597	597	599	602	600	598	599	599	599	593	599	1	7	35	630	12 59	579	51
5				597	598	599	599	602	604	617	630	631	630	620	621	622	629	625	616	601	596	598	596	597	596	599	597	609	0	8	11	639	17 28	592	47
6	✓			595	598	598	599	600	604	611	617	616	612	601	594	598	606	611	609	600	592	597	598	599	599	599	598	602	0	7	48	619	17 40	591	28
7	✓	✓		597	598	598	600	602	607	617	621	626	620	617	611	609	609	618	611	600	593	591	595	599	600	599	599	606	0	7	51	628	18 37	590	38
8	✓	✓		598	599	598	597	601	607	617	628	622	609	602	610	619	611	610	609	600	594	594	594	594	594	595	596	604	0	7	47	631	18 00	592	39
9	✓	✓		597	598	600	600	600	601	603	602	591	589	599	617	616	622	620	616	611	602	596	592	592	593	597	597	602	0	13	28	624	9 38	586	38
10	✓			595	598	599	601	606	610	616	619	609	599	597	593	601	606	593	587	586	589	589	588	591	594	596	594	598	0	7	35	627	15 38	583	44
11	✓	✓		592	593	598	601	600	607	616	619	619	612	606	601	604	607	607	609	601	596	589	590	591	593	596	596	602	0	8	28	622	18 27	588	34
12	✓			593	598	598	601	598	612	621	626	615	609	603	607	611	610	591	587	582	586	590	591	597	597	598	597	601	0	7	04	628	17 10	580	48
13				598	600	601	603	607	608	609	616	607	601	597	600	610	608	591	579	573	577	581	583	580	596	597	594	596	1	7	20	620	16 12	569	51
14			✓	600	609	607	606	611	616	606	628	623	611	610	607	611	609	608	607	601	602	599	599	600	601	606	602	607	1	8	08	640	6 21	587	53
15	✓			604	606	608	609	606	616	625	620	624	627	626	631	629	619	615	606	603	595	596	597	596	594	597	599	610	0	12	09	636	17 01	589	47
16			✓	597	597	588	597	591	616	620	621	617	619	616	609	615	619	621	619	608	601	598	598	599	601	603	602	607	1	7	23	627	4 13	580	47
17	✓			601	603	605	607	608	609	614	617	609	596	586	590	597	606	614	600	594	593	589	589	587	591	600	599	600	0	7	31	621	10 21	585	36
18				600	601	604	606	609	617	617	623	619	611	610	607	612	600	582	592	592	594	591	591	592	601	600	600	603	1	7	56	629	14 18	579	50
19			✓	598	597	599	607	609	617	631	643	637	622	608	598	597	596	594	591	588	588	597	598	600	601	602	602	605	1	7	55	648	17 23	584	64
20				595	598	599	600	609	613	619	625	609	604	590	591	590	599	601	600	592	596	592	597	589	601	597	601	600	0	7	23	629	10 13	587	42
21				600	600	598	592	597	602	618	631	627	616	607	607	613	608	602	599	597	592	591	588	590	597	600	597	603	1	7	13	638	18 58	587	51
22				599	599	602	602	606	607	611	617	616	612	612	617	617	616	620	612	593	588	591	591	592	596	600	600	605	0	14	28	623	17 08	586	37
23				598	598	600	602	604	609	617	622	611	602	602	609	601	598	592	597	591	591	591	596	598	598	596	599	601	0	7	11	629	17 11	589	40
24				599	599	598	605	603	607	617	624	614	601	600	605	605	601	600	600	601	597	596	596	596	598	600	600	603	0	7	28	628	18 55	593	35
25	✓	✓		599	599	599	600	604	607	607	608	598	597	599	610	613	611	616	615	601	591	590	592	591	596	598	598	602	0	15	01	621	18 10	589	32
26				598	596	598	600	601	608	604	608	608	608	596	597	602	607	619	617	601	581	598	592	592	592	596	593	600	1	15	03	624	17 28	588	36
27			✓	592	592	596	592	595	600	610	611	606	600	599	593	595	601	609	608	599	593	591	590	591	592	597	597	598	0	6	34	618	18 52	588	30
28				593	597	599	600	603	607	610	620	621	619	611	606	611	608	602	608	600	591	591	588	589	592	597	581	602	1	7	19	627	19 10	586	41
29			✓	590	597	591	598	597	606	610	621	611	592	586	580	587	591	600	606	608	601	599	598	598	596	597	597	598	1	7	28	636	10 58	570	66
30				592	592	598	598	600	604	621	629	621	611	609	614	610	611	612	601	599	597	589	595	597	597	597	599	604	0	7	24	634	18 32	588	46
31																																		
MEANS ALL DAYS				597	598	599	600	602	608	614	621	616	609	604	604	607	608	608	605	598	594	594	594	595	597	599	597	603							43
MEANS TEN DAYS ✲				597	599	600	602	602	608	615	618	613	607	604	606	610	611	610	605	598	593	592	593	594	595	598	597	603							38
MEANS FIVE DAYS † (G. M. T.)				597	597	599	600	601	606	612	616	611	605	605	610	612	612	614	612	603	595	593 592	594 593	596	597	598	597	603							
MEANS FIVE DAYS ‡ (G. M. T.)				595	598	596	600	601	611	615	625	619	609	604	597	601	603	606	606	601	597	597	590	590	595	597	593	602							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = ND RECORD

TABLE 143

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1939 — JULY 1939

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				597	595	596	596	597	597	600	609	606	591	587	589	596	594	607	605	598	598	593	595	594	599	600	597	597	0	7	55	616	10 31	583	33
2				593	591	592	599	600	604	611	611	607	599	598	607	611	604	604	602	600	597	592	592	594	596	598	592	600	0	6	56	619	0 38	589	30
3			✓	597	594	589	579	580	589	598	600	601	579	581	584	599	607	607	600	594	598	597	591	597	598	601	601	594	1	8	09	636	8 54	559	77
4			✓	601	600	600	602	601	602	601	607	606	607	607	621	636	629	621	611	602	606	581	585	588	596	589	592	604	1	12	08	639	18 32	576	63
5			✓	585	577	567	560	562	577	576	612	613	628	633	641	618	607	601	606	599	599	598	601	607	607	599	598	599	2	10	45	672	4 45	549	123
6				601	601	604	606	607	607	607	614	622	620	619	622	629	628	617	609	603	599	598	596	597	599	601	600	609	0	12	48	631	18 40	594	37
7	✓	✓		600	600	601	602	591	601	601	601	598	590	598	612	620	618	609	602	598	596	596	593	597	599	599	599	601	0	12	48	621	9 38	589	32
8	✓			599	599	599	600	603	607	619	627	616	609	618	630	637	632	616	601	596	591	591	590	596	598	598	598	607	0	13	17	640	17 18	589	51
9	✓	✓		597	598	599	600	600	601	606	608	607	602	600	606	607	610	617	604	591	589	589	590	592	596	597	597	600	0	14	18	618	17 38	588	30
10	✓	✓		597	598	599	600	601	607	617	624	618	611	614	618	614	598	612	608	591	587	588	587	587	589	591	596	602	0	7	12	628	17 18	584	44
11				597	599	600	606	607	612	617	622	610	596	596	609	611	614	616	610	596	588	589	588	589	592	595	597	602	1	7	28	627	18 47	586	41
12				599	600	600	602	607	611	617	621	604	577	577	587	604	609	627	633	627	607	593	590	592	592	597	597	603	1	15	18	636	10 48	567	69
13	✓	✓		598	600	601	606	609	612	629	630	616	592	577	579	597	611	616	607	596	591	593	590	592	592	592	589	601	0	6	53	636	10 41	575	61
14				587	585	579	590	598	592	591	599	609	602	599	581	589	600	608	612	611	609	611	605	601	599	599	598	598	1	7	56	626	7 41	568	58
15				599	601	605	606	608	611	620	616	611	609	609	610	607	615	608	593	583	582	588	587	591	597	594	598	602	0	6	36	623	17 07	579	44
16				598	598	599	599	600	609	619	620	611	596	588	579	577	561	557	575	587	590	591	588	589	597	597	597	593	0	6	24	625	13 37	554	71
17				598	590	590	597	602	612	626	626	623	618	622	624	616	598	582	581	581	587	586	591	592	592	598	597	601	0	6	48	633	16 34	578	55
18				597	592	597	602	608	613	616	620	626	620	611	607	600	591	589	591	597	599	594	593	593	597	597	594	602	0	8	28	628	14 44	588	40
19				594	590	590	598	600	602	617	631	626	619	621	616	606	599	589	580	581	577	584	579	589	591	594	591	598	0	7	34	634	17 21	572	62
20			✓	582	580	597	597	590	592	607	619	629	642	642	649	628	618	607	607	597	596	596	592	592	596	597	596	606	1	10	43	661	0 48	567	94
21			✓	597	598	598	598	600	601	601	619	636	611	629	631	633	619	611	608	602	599	595	589	593	593	595	593	606	1	8	34	707	19 06	588	119
22				590	596	598	605	608	609	616	616	605	606	598	601	611	600	596	595	586	586	586	586	586	591	591	598	598	1	6	42	625	19 18	585	40
23				599	601	602	606	609	608	612	615	609	602	616	621	621	620	612	604	601	597	593	591	591	591	591	592	604	0	11	52	626	20 18	587	39
24	✓			594	597	599	600	602	608	611	613	599	592	599	608	622	618	612	600	588	587	587	582	587	590	591	591	599	0	12	41	628	19 18	581	47
25				591	589	589	598	606	608	613	621	622	615	619	619	618	612	604	604	602	597	590	598	587	588	591	592	603	0	8	28	627	1 52	580	47
26				589	577	587	576	580	600	612	618	612	603	604	597	599	596	591	592	592	592	596	594	597	597	592	592	595	1	7	12	629	3 08	570	59
27				591	587	584	589	597	601	609	617	611	611	608	608	602	601	601	607	598	591	597	597	593	596	595	594	599	0	7	38	621	2 01	580	41
28	✓			591	588	588	598	601	604	610	619	616	608	612	617	619	606	600	594	597	600	597	596	596	594	592	590	601	0	12	11	622	1 51	586	36
29	✓			590	593	596	596	601	606	610	606	592	578	576	577	588	600	613	615	608	600	596	591	592	593	597	591	596	0	15	33	617	9 58	570	47
30	✓	✓		590	592	596	598	602	608	621	619	600	584	576	577	581	590	598	599	597	592	591	589	589	590	591	593	594	0	6	31	627	10 44	571	56
31	✓			591	590	591	596	601	607	612	621	621	612	600	601	611	607	610	616	611	600	596	591	591	592	594	591	602	0	7	23	626	2 08	588	38
MEANS ALL DAYS				594	593	595	597	599	604	610	616	612	604	604	607	610	607	605	602	597	594	593	591	593	595	595	595	601							54
MEANS TEN DAYS ✲				595	596	597	600	601	606	614	617	608	598	597	602	610	609	610	605	597	593	592	590	592	593	594	594	600							44
MEANS FIVE DAYS † (G. M. T.)				596	598	599	601	601	606	615	616	608	596	593	598	604	605	610	604	595	591	593 591	591 590	594	596	598	597	600							
MEANS FIVE DAYS ‡ (G. M. T.)				592	590	590	587	587	592	597	611	617	613	618	625	623	616	609	606	599	600	593	588	592	595	596	594	601							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 144

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1939

AUGUST 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MAXIMUM	MINIMUM (H M)	MINIMUM	RANGE
1				591	592	596	596	602	608	622	627	619	607	591	584	597	606	598	591	589	590	589	588	589	591	591	593	598	0	7 18	630	11 26	582	48
2	✓	✓		592	593	594	595	599	604	612	613	608	607	607	610	620	619	609	601	600	594	589	587	588	589	590	591	600	0	12 51	622	19 18	586	36
3	✓	✓		593	593	597	597	600	599	591	581	572	572	578	590	594	594	594	601	604	599	590	588	588	589	590	590	591	0	16 23	606	9 14	570	36
4	✓			590	590	590	591	596	599	607	611	610	602	597	599	598	595	598	596	594	591	593	589	589	589	590	591	596	0	8 38	614	20 18	588	26
5	✓	✓		593	593	595	597	599	600	606	608	603	599	604	625	643	626	608	598	589	587	588	585	587	589	589	590	600	0	12 38	646	19 28	584	62
6	✓	✓		591	591	595	597	600	600	597	591	592	594	595	609	629	621	607	595	588	587	586	584	585	588	590	590	596	0	12 28	631	19 11	583	48
7	✓	✓		591	593	597	598	600	603	599	595	580	565	566	580	596	600	599	591	589	587	587	585	587	589	590	591	590	0	5 28	604	9 49	559	45
8	✓			591	592	591	592	596	596	589	589	590	595	602	628	629	624	620	612	600	590	589	587	587	587	588	589	598	0	11 53	635	19 18	586	49
9	✓			589	589	590	591	593	597	598	598	591	587	587	601	609	599	599	598	597	591	590	588	588	588	590	590	593	0	12 18	610	9 25	585	25
10				591	592	597	596	594	598	593	600	589	580	579	591	616	611	608	614	613	604	594	587	588	589	591	590	596	0	12 35	619	9 34	576	43
11				590	594	596	597	599	600	602	604	604	600	599	600	599	600	597	589	588	585	581	585	586	576	576	589	593	1	7 27	612	22 23	564	48
12			✓	578	594	585	585	590	604	606	605	603	586	578	584	596	607	608	610	599	601	595	588	590	591	589	594	594	2	6 28	618	10 35	572	46
13			✓	597	603	605	606	616	616	625	621	611	597	593	593	595	607	617	619	610	599	594	590	591	594	595	595	604	1	6 51	631	9 43	585	46
14				589	589	595	597	600	601	607	599	589	588	593	604	609	610	611	604	591	587	590	589	590	594	597	596	597	0	14 40	614	9 28	585	29
15				597	597	598	599	600	602	611	618	617	610	607	605	596	599	601	607	600	593	595	591	591	595	597	591	601	0	8 19	620	12 35	587	33
16			✓	590	581	587	597	599	600	618	620	619	607	600	557	589	591	597	611	612	601	601	601	604	609	609	601	600	1	10 37	658	11 31	531	127
17				600	599	599	594	595	600	616	615	607	594	572	577	581	585	590	591	592	592	591	590	591	594	597	596	594	1	7 01	622	10 48	568	54
18	✓			595	596	597	598	599	602	617	623	626	624	626	626	616	609	601	598	595	588	591	588	591	595	594	594	604	0	10 58	628	17 18	587	41
19				590	589	592	596	601	608	614	609	596	583	582	582	586	587	590	598	599	595	592	589	589	593	595	596	594	1	6 27	616	11 52	570	46
20				596	596	596	597	598	600	599	588	578	572	567	578	583	586	590	605	611	599	588	588	588	589	590	594	591	0	16 18	612	10 09	557	55
21				593	595	596	598	605	609	619	618	599	571	565	568	578	594	605	605	595	589	597	596	594	602	585	608	595	0	6 49	625	10 12	559	66
22			✓	608	608	616	610	614	622	641	632	599	599	598	598	613	618	608	609	613	611	608	618	614	616	596	589	611	2	6 39	653	8 44	569	84
23			✓	589	575	579	589	591	579	599	623	654	655	651	650	642	639	634	631	621	610	610	614	601	599	598	597	614	2	9 56	663	1 54	568	95
24				595	590	581	590	595	600	618	625	614	608	609	608	600	609	610	610	603	597	597	597	597	597	596	592	602	0	7 29	632	2 25	576	56
25				590	590	590	594	598	603	616	609	601	599	602	605	613	608	609	613	616	612	606	599	596	596	596	593	602	0	6 21	619	2 18	587	32
26				594	595	593	594	597	609	627	611	593	585	576	580	587	590	598	605	606	605	603	597	598	598	597	596	597	0	6 28	629	10 51	574	55
27				593	593	597	598	598	608	628	630	623	609	603	599	603	594	601	613	609	599	599	593	594	596	593	593	603	0	6 58	636	1 48	591	45
28				589	589	590	592	597	599	611	620	617	610	609	610	608	603	608	614	601	593	593	592	592	597	595	591	601	0	7 31	625	1 50	588	37
29				590	589	589	591	597	601	606	605	606	610	614	613	608	609	616	623	618	600	596	590	590	590	589	587	601	0	15 18	624	24 00	585	39
30				586	586	586	589	596	600	606	599	587	588	589	583	598	615	619	615	610	598	591	587	588	588	588	589	595	1	13 53	623	11 40	569	54
31	✓			589	589	591	596	600	607	614	606	598	603	598	593	589	596	606	603	598	588	586	583	586	587	588	587	595	0	6 18	616	19 28	581	35
MEANS ALL DAYS				592	592	594	595	599	602	610	609	603	597	595	598	604	605	605	605	602	596	594	591	592	593	592	593	598						50
MEANS TEN DAYS ✲				591	592	594	595	598	601	603	602	597	595	596	606	612	608	604	599	595	590	589	586	588	589	590	590	596						40
MEANS FIVE DAYS † (G. M. T.)				592	593	596	597	600	601	601	598	591	587	590	603	616	612	603	597	594	591	589 588	587 586	588	589	590	591	596						
MEANS FIVE DAYS ‡ (G. M. T.)				592	592	594	597	602	604	618	620	617	609	604	596	607	612	613	616	611	604	602	596	595	596	589	594	603						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 145

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1939 — SEPTEMBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		589	590	592	598	600	601	600	601	600	609	613	603	600	610	608	598	598	597	590	589	589	590	590	590	598	0	13	56	0	07	29
2				591	592	593	597	598	600	606	613	604	591	600	598	589	587	587	579	585	586	587	586	585	579	588	589	592	1	7	16	21	24	45
3			✓	591	594	600	608	617	627	627	644	637	622	620	611	609	597	595	594	596	592	589	585	584	584	586	591	604	1	7	38	21	38	68
4				594	595	597	599	600	600	598	603	604	591	590	592	599	610	612	614	607	597	590	589	590	590	590	590	598	0	15	18	10	18	31
5	✓	✓		591	590	591	592	597	599	605	603	597	580	569	577	581	581	588	591	588	580	580	586	588	589	589	589	588	0	6	22	10	33	38
6				589	590	589	590	597	601	612	621	618	615	610	623	630	619	602	609	594	590	589	587	587	586	585	584	601	0	12	38	23	04	51
7				585	587	590	590	591	594	600	607	601	602	609	608	613	617	611	605	591	588	590	589	587	588	586	584	596	0	13	20	23	58	36
8	✓			583	584	588	590	591	599	606	603	600	602	602	604	602	604	595	592	591	588	589	587	583	587	587	586	593	0	6	45	20	20	36
9			✓	591	586	590	602	613	626	613	610	599	591	578	567	577	591	601	599	597	590	591	589	587	587	585	586	594	1	5	38	11	18	67
10				587	588	590	597	600	610	618	607	599	581	571	573	591	620	617	602	591	586	587	586	585	587	590	589	594	1	13	38	9	51	57
11				590	589	592	597	600	606	611	611	604	596	586	587	602	611	619	614	600	589	585	582	582	582	583	588	596	0	14	52	10	48	40
12				590	588	592	597	601	605	607	601	592	587	580	579	588	602	608	608	599	591	587	581	586	587	587	587	593	0	13	35	11	20	35
13	✓			587	588	591	595	599	607	612	601	591	570	560	567	579	587	598	601	596	582	579	585	587	585	586	589	588	0	6	18	10	39	59
14				592	592	594	597	599	607	610	606	598	587	579	579	584	586	587	587	581	577	583	585	586	589	590	591	590	0	6	47	17	28	39
15	✓			591	593	597	597	598	599	600	600	597	587	578	581	588	592	600	600	589	580	580	586	587	589	590	589	591	0	14	38	10	52	28
16	✓			590	591	589	591	595	597	602	607	606	590	582	590	601	607	600	590	579	578	583	589	589	587	586	585	592	0	7	52	16	48	35
17			✓	582	583	591	598	598	601	601	609	609	605	617	624	621	609	607	591	594	591	595	589	594	598	599	598	600	1	11	33	0	28	50
18				599	599	598	598	599	600	606	611	616	615	615	619	627	623	620	612	601	596	590	590	591	592	592	589	604	0	12	38	23	58	44
19			✓	587	582	581	587	587	588	592	605	606	619	612	609	614	616	604	600	591	600	609	608	605	602	598	583	599	1	13	03	2	08	60
20			✓	589	590	587	589	585	588	589	604	617	630	629	632	632	639	628	611	598	592	591	591	591	590	588	588	603	1	13	52	1	38	72
21				588	585	589	593	595	599	600	610	616	621	619	621	619	617	607	590	580	581	584	587	586	588	587	587	598	0	9	11	16	58	49
22				586	587	587	590	594	592	595	597	599	604	604	596	616	619	611	600	591	588	589	588	588	588	587	586	595	0	13	00	0	20	40
23	✓			586	586	587	590	592	591	586	589	592	592	596	603	614	623	620	614	600	589	587	587	588	589	588	587	595	0	13	38	6	48	43
24	✓	✓		581	587	590	590	591	592	590	587	583	578	580	589	600	612	622	620	611	595	587	588	590	589	590	588	593	0	14	42	10	02	48
25				584	582	584	589	596	606	605	600	584	571	569	569	577	583	602	605	593	587	587	582	582	577	577	589	587	1	5	52	10	11	48
26				597	594	598	601	603	607	601	598	592	588	589	597	611	615	609	601	587	580	581	587	590	590	590	588	596	1	13	26	17	43	41
27				590	590	592	592	597	597	593	591	588	584	587	601	621	625	619	603	589	587	586	583	586	588	589	589	594	0	14	02	9	36	49
28	✓	✓		589	590	590	594	597	599	592	588	590	591	595	609	626	617	606	601	599	589	582	586	587	588	588	587	595	0	12	28	18	18	48
29	✓	✓		588	588	589	591	595	592	589	587	585	587	597	620	638	635	622	614	600	587	579	582	587	588	588	588	596	0	12	42	18	28	65
30				587	587	588	590	593	592	580	578	581	581	593	612	610	613	610	607	594	589	584	590	589	588	592	595	593	0	13	18	6	34	42
31																																		
MEANS ALL DAYS				589	589	591	594	597	601	602	603	600	596	594	598	605	609	607	602	594	588	587	587	588	588	588	588	595						46
MEANS TEN DAYS *				588	589	590	593	596	598	598	597	594	589	587	594	603	607	606	602	595	587	584	586	588	588	588	588	593						43
MEANS FIVE DAYS † (G. M. T.)				588	589	590	593	596	597	595	593	591	589	591	600	609	611	609	605	599	590	586 584	586 586	587	588	589	588	594						
MEANS FIVE DAYS ‡ (G. M. T.)				588	587	590	597	600	606	604	614	614	613	611	609	611	610	607	599	595	593	595	592	591	589	590	586	600						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 146

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MINIMUM (H M)	RANGE
1				592	590	591	592	592	589	591	593	598	596	602	621	630	622	609	598	587	579	581	587	589	589	590	590	596	1	12 55 641	17 18 578	63
2	✓			590	587	588	588	590	591	587	582	575	568	566	580	589	598	592	581	577	577	579	582	588	588	584	582	584	0	13 58 602	10 08 562	40
3			✓	582	581	580	580	583	587	578	576	600	588	628	660	677	677	656	634	626	608	615	610	617	629	607	610	612	1	12 53 699	7 45 562	137
4			✓	599	592	591	590	595	590	593	590	590	581	587	619	639	640	637	620	605	588	587	588	590	591	593	592	599	1	12 22 652	10 02 577	75
5				590	589	590	591	592	589	587	589	588	585	600	619	627	627	618	601	587	580	587	589	587	590	589	590	595	1	12 08 632	17 28 578	54
6				589	588	592	588	586	587	577	576	582	590	592	609	616	617	610	601	590	586	586	590	590	593	596	596	593	1	13 51 622	6 48 572	50
7				592	592	593	595	595	591	588	590	593	591	608	619	618	622	621	603	590	588	588	590	589	585	589	590	597	0	13 07 627	18 10 586	41
8				590	590	591	592	595	596	598	599	605	607	607	600	609	609	603	587	575	574	575	570	570	578	578	587	591	0	13 28 621	19 56 560	61
9				591	597	589	596	600	605	607	617	619	604	619	626	634	633	627	615	604	589	588	590	589	588	589	588	604	1	12 58 639	2 43 577	62
10	✓			585	581	583	586	587	587	586	582	577	582	597	611	615	610	610	600	594	587	584	588	589	589	590	587	591	0	12 34 616	8 38 575	41
11				581	580	583	588	588	588	588	588	588	589	597	607	606	605	607	600	589	575	572	590	591	591	591	590	590	0	14 49 616	17 48 571	45
12	✓	✓		586	588	588	588	589	586	578	580	582	588	602	611	616	609	601	594	588	586	583	588	589	591	587	585	591	0	12 31 619	6 18 577	42
13			✓	580	579	580	586	598	589	578	582	584	590	598	599	607	609	599	613	617	601	604	621	610	607	614	605	598	2	16 53 632	0 10 574	58
14			✓	607	611	602	610	597	611	608	618	623	622	622	628	628	634	631	614	602	598	602	601	599	600	579	583	610	2	13 38 639	23 12 566	73
15			✓	585	572	587	595	594	587	578	580	582	588	604	627	638	641	629	615	599	591	591	593	591	590	590	589	597	1	13 21 648	1 08 561	87
16				587	580	578	579	579	585	587	592	597	606	627	631	631	637	630	616	601	597	590	597	598	597	594	590	600	1	11 59 650	2 55 575	75
17				581	573	581	587	588	591	591	597	606	612	632	642	651	639	606	591	581	579	579	591	592	594	591	589	598	1	12 34 661	1 28 569	92
18				582	578	581	586	586	578	580	591	606	619	638	646	649	628	620	598	578	578	584	592	596	597	594	585	599	1	11 11 663	1 28 572	91
19				580	578	583	580	582	572	567	577	591	610	628	644	642	647	640	626	600	589	587	592	592	589	587	584	599	0	13 47 649	6 26 565	84
20	✓	✓		580	581	582	581	581	578	577	579	582	588	600	614	618	620	619	602	586	579	579	585	587	589	590	587	590	0	13 31 625	5 50 576	49
21				583	580	579	585	582	581	578	591	608	604	618	630	631	640	636	621	599	589	586	589	589	588	588	584	598	0	13 21 645	6 25 577	68
22				584	587	585	586	590	591	587	580	576	571	582	591	607	613	621	609	589	581	581	588	589	589	588	585	590	0	14 38 624	9 18 569	55
23				580	579	580	580	578	581	571	581	589	587	600	617	620	629	629	610	591	581	578	586	589	592	591	591	592	0	14 19 636	6 28 569	67
24	✓			589	589	589	588	590	590	585	591	598	609	620	634	638	631	617	599	586	580	579	585	586	588	587	585	597	0	12 27 639	18 13 577	62
25	✓	✓		579	580	577	580	586	588	588	597	605	610	619	617	614	611	605	596	587	579	580	589	589	589	588	586	593	0	10 38 621	2 25 575	46
26	✓			580	581	581	582	586	587	589	607	620	628	630	627	617	615	607	588	577	578	579	590	589	587	583	582	595	0	10 08 631	16 45 570	61
27	✓	✓		580	578	578	578	579	578	577	584	592	602	612	615	610	600	596	588	580	580	579	586	587	586	584	581	588	0	10 38 623	6 21 572	51
28				582	585	580	579	584	586	581	579	587	597	608	616	617	612	605	587	577	572	575	587	587	583	581	586	589	0	12 14 623	17 13 569	54
29				586	581	578	581	582	579	573	580	596	608	622	637	645	640	627	601	584	579	579	588	589	587	589	589	596	0	12 38 649	6 18 570	79
30	✓			585	584	583	583	587	582	570	574	585	600	619	639	649	638	619	599	586	578	574	581	581	579	580	580	593	0	12 43 652	6 38 569	83
31	✓	✓		579	579	580	581	586	584	570	579	590	607	621	634	630	625	611	590	580	580	579	588	587	581	579	579	592	0	11 38 639	6 38 569	70
MEANS ALL DAYS				586	584	585	586	588	587	584	588	594	598	610	622	626	625	617	603	591	584	584	590	590	591	589	588	595				65
MEANS TEN DAYS *				583	583	583	584	586	585	581	586	591	598	609	618	620	616	608	594	584	580	580	586	587	587	585	583	591				54
MEANS FIVE DAYS † (G. M. T.)				581	581	581	582	584	583	578	584	590	599	611	618	618	613	606	594	584	581	578 580	588 587	588	587	586	584	591				
MEANS FIVE DAYS ‡ (G. M. T.)				591	587	588	592	593	593	587	589	596	594	608	627	638	640	630	619	610	597	600	600	601	603	594	593	603				

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 147

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1939 — NOVEMBER 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				578	576	573	580	586	581	569	570	579	591	611	617	617	620	613	599	590	587	583	590	586	582	581	580	589	0	13	28	625	6 22	566	59
2				579	579	579	581	583	584	582	599	611	622	632	632	629	622	609	591	584	583	582	585	588	583	584	584	595	0	10	33	636	1 18	578	58
3				583	582	579	579	582	579	569	580	584	601	613	618	626	628	619	603	585	575	575	588	590	590	590	589	592	0	13	30	631	6 28	566	65
4	✓			589	588	587	584	587	581	562	560	558	559	561	571	589	607	607	592	581	578	576	589	589	590	591	590	582	0	13	52	611	9 06	555	56
5				588	587	584	585	585	582	568	564	571	580	581	589	604	609	597	583	576	575	578	584	585	589	583	583	584	0	13	18	611	7 38	562	49
6				588	589	581	583	584	584	582	588	599	600	601	609	605	601	590	581	577	581	581	585	588	590	588	584	589	0	11	41	613	16 26	576	37
7				583	583	583	583	583	579	566	565	571	584	606	617	608	603	603	593	588	588	588	587	586	585	588	588	588	0	11	29	621	6 43	562	59
8	✓	✓		585	581	580	582	583	581	580	588	595	601	602	612	615	609	598	582	577	579	580	585	586	584	587	582	589	0	12	30	618	15 58	575	43
9	✓			581	579	580	582	582	576	560	563	581	594	600	602	601	601	600	589	576	575	578	584	589	589	587	584	585	0	11	48	605	6 28	559	46
10	✓	✓		581	580	580	580	582	580	576	580	591	602	610	611	606	600	586	577	571	573	576	586	589	588	587	583	586	0	10	38	613	16 45	570	43
11				580	578	578	578	578	573	569	573	588	603	610	612	621	617	610	601	590	578	580	590	597	596	590	588	591	0	12	31	623	6 18	566	57
12			✓	585	581	579	579	578	571	565	571	582	600	600	609	595	588	580	578	577	583	589	600	602	598	591	581	586	0	11	18	612	6 05	564	48
13			✓	573	560	553	558	571	561	554	566	584	592	619	629	624	611	596	583	572	579	585	593	594	591	592	584	584	1	11	53	631	2 28	549	82
14			✓	579	572	576	579	579	576	579	584	602	622	630	638	622	611	600	589	583	588	583	592	597	598	592	589	594	1	11	25	640	1 19	569	71
15				582	579	573	578	580	579	580	597	609	611	620	625	618	611	600	599	590	582	582	589	590	589	588	586	593	0	10	57	628	2 38	572	56
16	✓			581	580	579	579	579	577	569	576	591	608	614	626	632	631	614	589	581	579	579	588	589	589	585	583	592	0	13	08	638	6 43	567	71
17	✓			580	578	576	577	579	577	568	573	588	595	601	616	615	611	605	597	582	580	583	591	591	589	588	581	588	0	13	09	621	6 14	565	56
18	✓	✓		578	579	581	577	581	581	575	584	593	598	601	602	593	589	585	581	584	588	580	583	585	584	582	581	585	0	11	48	604	3 33	573	31
19				579	576	576	576	576	576	573	582	598	603	600	623	619	612	604	599	592	588	586	592	592	589	590	588	591	1	11	41	636	5 58	571	65
20				583	580	581	581	582	581	582	600	614	623	621	622	615	613	603	593	586	581	582	588	590	590	589	587	594	0	11	18	629	1 13	579	50
21				585	580	576	577	582	583	562	572	583	601	615	621	623	611	596	585	580	578	579	584	587	587	586	583	588	0	12	22	626	6 44	560	66
22	✓	✓		580	579	579	579	579	578	577	581	588	591	599	611	609	593	581	579	579	576	578	586	587	583	582	579	585	0	12	05	616	17 40	574	42
23	✓	✓		574	573	572	572	573	569	560	568	581	596	601	612	613	606	598	583	573	570	574	583	588	589	586	586	583	0	11	43	619	6 18	558	61
24				580	577	577	578	578	572	569	581	593	595	610	613	601	594	593	587	585	586	583	591	589	587	585	582	587	0	11	14	624	6 08	568	56
25			✓	579	579	576	577	577	571	571	581	589	600	599	613	608	597	590	588	587	590	596	597	591	586	582	577	588	1	12	23	623	6 15	569	54
26			✓	570	568	568	566	569	567	564	575	591	602	608	611	607	608	600	588	585	588	584	589	590	590	590	582	586	0	11	33	618	5 56	561	57
27				578	575	571	572	572	569	560	569	582	591	601	618	625	614	602	599	591	584	582	588	586	582	581	578	586	0	12	27	628	6 28	556	72
28				571	572	573	575	573	570	562	574	599	612	618	636	634	628	611	597	585	580	579	586	589	586	581	581	590	0	11	48	641	6 18	559	82
29	✓			581	579	575	576	574	572	561	564	577	585	590	601	601	603	599	589	583	579	580	584	585	584	583	580	583	0	13	38	608	6 38	560	48
30				578	574	574	573	579	574	571	579	590	600	611	631	627	616	602	595	589	589	592	599	596	590	587	584	592	0	11	28	635	6 18	569	66
31																																			
MEANS ALL DAYS				580	578	577	578	579	576	570	577	589	599	606	615	613	609	600	590	583	581	582	589	590	588	587	584	588							57
MEANS TEN DAYS ✱				581	580	579	579	580	577	569	574	584	593	598	606	607	605	597	586	579	578	578	586	588	587	586	583	586							50
MEANS FIVE DAYS † (G. M. T.)				580	578	578	578	580	578	574	580	590	598	603	610	607	599	590	580	577	577	581 578	586 585	588	587	586	583	586							
MEANS FIVE DAYS ‡ (G. M. T.)				577	572	570	572	575	569	567	575	590	603	611	620	611	603	593	585	581	586	587	594	595	592	588	582	587							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 148

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				583	578	576	577	574	569	556	560	578	595	612	626	629	613	603	593	584	582	581	588	588	587	587	584	588	0	12	15	631	6 43	551	80
2				581	582	580	578	582	577	560	562	576	593	606	609	608	598	592	573	571	574	578	583	584	583	581	582	583	0	12	18	612	6 38	558	54
3				583	583	576	579	582	575	561	562	578	592	605	609	607	594	581	575	576	581	579	581	588	591	593	591	584	0	11	32	614	6 48	558	56
4	✓			587	582	579	579	581	579	570	573	579	593	603	609	604	590	580	571	566	571	577	581	584	586	588	587	583	0	11	58	611	16 28	563	48
5				584	583	579	579	580	577	576	588	605	606	612	622	604	599	596	588	579	579	581	592	594	593	589	588	591	1	11	08	627	5 58	571	56
6			✓	586	581	573	575	578	572	564	573	581	594	599	608	599	581	573	584	586	586	598	605	609	599	593	591	587	1	11	38	610	6 28	562	48
7			✓	580	571	563	551	548	553	551	577	602	619	620	628	621	611	594	589	589	592	592	596	594	591	581	581	587	1	11	47	633	3 26	543	90
8			✓	572	558	561	559	568	559	548	556	578	594	602	626	621	616	604	589	578	581	589	589	588	584	584	581	583	1	11	41	635	6 30	544	91
9				574	572	569	572	574	571	559	569	582	592	604	612	623	613	603	591	586	586	587	584	585	583	581	581	586	0	12	18	629	6 58	553	76
10				578	573	574	581	581	570	554	557	579	593	613	614	617	604	592	584	584	582	582	584	586	585	581	579	584	0	12	18	621	6 28	551	70
11				574	572	571	572	576	572	567	580	591	607	617	623	613	610	598	592	589	579	580	579	583	582	580	579	587	0	11	22	627	6 15	565	62
12				574	571	571	573	574	571	560	567	581	597	606	621	613	587	586	590	581	577	577	586	589	589	583	578	583	0	11	54	627	6 28	558	69
13	✓			572	570	573	576	579	578	567	578	599	603	611	609	602	604	603	591	577	575	579	583	584	582	581	579	586	0	10	55	613	6 28	563	50
14	✓	✓		574	571	571	572	571	566	559	569	581	584	588	591	579	572	561	557	561	568	576	581	583	588	587	582	575	0	11	08	594	15 18	555	39
15				580	579	578	573	575	569	553	556	574	594	599	604	603	592	581	581	578	579	582	589	590	591	590	586	582	0	12	26	610	6 38	551	59
16				580	576	572	574	575	571	555	559	562	571	578	583	572	579	582	581	580	581	585	593	594	593	592	588	578	1	20	10	597	6 48	553	44
17	✓			583	579	576	577	581	573	561	562	577	589	608	618	617	603	596	589	582	577	580	583	584	584	583	582	585	0	11	18	620	6 48	559	61
18	✓	✓		581	581	581	580	580	576	567	570	582	592	601	609	607	594	588	581	579	578	580	581	582	583	581	578	584	0	11	28	611	6 48	563	48
19	✓	✓		576	577	576	576	575	573	568	576	584	594	618	617	609	611	601	578	563	565	573	579	581	581	580	579	584	0	10	48	623	16 48	562	61
20	✓	✓		576	574	573	573	574	573	565	569	583	590	590	582	584	590	581	573	568	571	585	584	589	590	585	585	579	0	13	29	596	6 28	563	33
21			✓	581	569	569	576	574	572	569	575	586	593	585	594	609	614	606	597	577	578	583	589	589	583	583	581	585	1	13	20	625	2 10	566	59
22			✓	571	570	570	565	568	569	571	581	582	597	609	620	613	609	608	589	577	578	580	581	580	578	575	572	584	1	11	58	633	3 12	563	70
23				569	566	569	570	567	564	564	576	588	598	605	613	614	603	602	598	591	585	581	581	581	579	576	573	584	0	11	56	622	6 12	561	61
24				571	567	571	572	573	573	562	569	583	588	583	597	617	623	604	591	581	574	574	579	581	578	574	575	582	0	13	18	627	6 38	559	68
25				573	570	569	566	568	566	560	565	580	584	583	594	599	601	600	593	583	579	577	581	579	577	574	569	579	0	13	38	606	6 18	559	47
26	✓			567	564	564	563	564	561	559	568	579	589	603	612	609	600	592	578	573	571	573	582	583	582	580	579	579	0	12	18	613	6 08	556	57
27				574	573	573	575	569	572	557	563	579	599	616	616	599	588	581	568	561	564	571	579	579	580	581	578	579	1	11	22	631	6 27	553	78
28				579	578	574	576	579	578	569	571	578	592	612	624	622	617	597	582	572	569	569	581	579	579	578	580	585	0	11	40	629	6 48	563	66
29				581	577	580	579	581	580	569	573	588	598	610	618	610	591	572	572	571	571	572	576	580	580	580	581	583	0	11	28	621	6 48	567	54
30	✓			580	577	576	577	578	578	573	582	598	613	616	616	607	592	582	578	572	570	570	574	574	573	574	572	583	0	11	14	621	17 38	568	53
31	✓	✓		575	577	578	579	579	579	562	564	574	589	608	621	618	602	589	577	574	579	574	578	579	579	575	576	583	0	11	28	623	6 44	560	63
MEANS ALL DAYS				577	574	573	573	574	571	562	569	583	595	604	611	608	600	591	583	577	577	580	584	585	584	582	581	583							60
MEANS TEN DAYS *				577	575	575	575	576	574	565	571	584	594	605	608	604	596	587	577	572	572	577	581	582	583	581	580	582							51
MEANS FIVE DAYS † (G. M. T.)				576	576	576	576	576	573	564	570	581	590	601	604	599	594	584	573	569	572	576 578	580 581	581	581	580	578	580							
MEANS FIVE DAYS ‡ (G. M. T.)				578	570	567	565	567	565	561	572	586	599	603	615	613	606	597	590	581	583	588	593	595	591	586	585	586							

DECEMBER 1939

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▲ = NO RECORD

TABLE 149

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1939 — JANUARY 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		573	569	570	573	574	576	577	608	641	686	699	675	640	610	591	591	587	586	580	576	570	566	560	560	597	0	10	21 706	23	49 557	149
2	✓			557	561	564	566	570	571	591	610	658	693	702	665	638	610	590	597	603	599	580	572	568	568	566	566	599	0	9	59 726	0	37 556	170
3	✓	✓		565	567	564	565	566	575	589	610	653	686	710	690	675	661	637	610	596	585	577	577	575	572	570	570	606	0	10	20 723	1	49 562	161
4	✓			570	570	570	565	570	579	596	614	642	669	676	673	649	631	625	637	632	619	593	592	599	597	600	566	610	0	11	19 690	23	16 552	138
5			✓	569	576	577	578	583	588	605	615	623	657	682	631	609	591	557	574	588	585	568	561	561	563	564	559	590	1	10	17 752	14	53 529	223
6				560	562	564	566	568	577	591	622	677	710	733	714	668	605	573	561	569	583	575	561	558	557	559	559	599	0	10	25 760	14	51 537	223
7				558	558	560	563	560	574	595	621	672	724	714	644	548	540	540	558	574	577	555	547	545	532	535	544	581	0	9	39 735	13	28 510	225
8				549	550	550	552	554	565	593	650	726	772	743	693	631	565	520	516	538	567	566	554	550	539	537	534	588	0	9	52 788	15	23 497	291
9			✓	532	528	521	529	534	539	563	628	711	759	747	676	614	558	502	511	513	537	547	550	548	542	541	539	574	1	9	32 776	14	42 493	283
10				542	547	545	545	548	557	586	613	673	743	764	744	700	621	541	513	521	547	557	549	548	547	549	550	590	0	10	12 793	15	04 495	298
11				548	549	549	547	548	550	570	605	676	757	784	731	667	591	560	539	552	557	559	556	555	554	551	551	592	0	10	21 805	15	47 533	272
12				553	557	555	555	556	555	569	625	676	732	760	729	688	639	613	595	577	568	568	566	561	559	555	557	603	0	10	30 773	0	00 550	223
13	✓			559	559	557	558	557	564	586	616	700	777	838	808	765	700	654	631	602	575	562	557	559	556	559	555	623	0	10	45 862	23	58 537	325
14				547	553	557	560	559	559	567	608	678	752	782	728	735	706	652	606	566	526	540	552	553	551	550	553	606	0	10	15 830	17	25 523	307
15				547	546	550	546	546	553	567	595	640	681	703	713	716	690	668	643	618	584	559	554	556	555	554	553	602	0	13	01 729	4	09 542	187
16				552	552	554	552	557	564	589	621	678	721	748	724	688	680	646	616	579	572	568	544	531	520	514	506	599	0	10	41 763	23	24 503	260
17			✓	511	518	521	523	526	530	547	578	620	645	651	648	626	630	621	621	582	570	560	551	540	545	544	537	573	0	11	20 669	0	00 508	161
18				537	540	545	545	546	553	582	623	657	669	662	657	622	586	569	561	561	557	559	561	558	553	553	549	579	0	11	16 696	0	46 532	164
19				546	545	546	551	555	561	588	636	687	726	733	697	653	624	602	590	575	566	563	552	541	539	544	540	594	0	10	39 741	21	09 534	207
20				543	540	541	544	548	559	585	621	672	700	698	641	598	580	567	530	544	558	557	549	545	537	545	548	577	0	10	11 721	15	16 521	200
21			✓	550	551	553	548	552	559	580	629	673	728	670	661	587	503	530	570	589	582	568	561	552	553	555	555	582	1	9	33 752	13	36 473	279
22			✓	550	552	556	556	557	563	582	626	669	693	703	653	610	596	542	567	563	541	546	537	540	543	541	542	580	1	9	54 730	14	03 500	230
23				553	552	550	545	550	557	566	598	657	701	711	681	627	588	549	532	555	568	570	565	558	558	559	550	583	0	9	56 733	15	05 525	208
24				534	537	543	552	555	555	575	632	690	728	746	730	690	623	571	554	557	564	566	561	564	563	562	559	596	0	10	19 752	1	01 530	222
25				556	557	561	561	561	557	568	596	672	756	773	754	699	636	593	566	556	557	561	561	557	560	559	559	602	0	10	01 788	16	20 548	240
26	✓	✓		560	561	563	561	560	563	572	604	668	731	765	750	706	654	619	598	582	575	575	570	566	563	562	562	608	0	10	26 770	0	02 559	211
27	✓	✓		561	562	562	563	563	563	575	603	655	714	750	747	719	663	617	595	591	587	584	580	578	577	575	572	611	0	10	55 757	0	45 561	196
28	✓			572	573	574	576	577	577	579	598	658	719	771	751	731	692	638	614	579	573	558	544	539	549	548	549	610	0	10	42 803	20	02 536	267
29	✓			550	553	556	559	561	559	553	555	591	658	709	733	727	700	657	621	593	572	566	568	570	569	567	563	600	0	11	46 741	6	37 547	194
30	✓	✓		561	564	564	565	561	563	575	603	642	684	695	710	700	677	667	628	602	586	580	577	575	568	564	560	607	0	12	20 720	0	10 557	163
31				558	554	553	550	555	558	546	561	593	645	660	673	684	671	649	633	608	581	574	570	562	557	557	558	592	0	12	32 687	6	35 540	147
MEANS ALL DAYS				552	554	555	555	557	562	578	610	662	710	725	701	665	626	595	583	576	571	566	560	557	555	555	552	595						220
MEANS TEN DAYS ✱				563	564	564	565	566	569	579	602	651	702	732	720	695	660	630	612	597	586	576	571	570	568	567	562	607						197
MEANS FIVE DAYS (G. M. T.) †				564	565	565	565	565	568	578	606	652	700	724	714	688	653	626	604	592	584	572 579	569 576	568	568	567	565	605						
MEANS FIVE DAYS (G. M. T.) ‡				542	545	546	547	550	556	575	615	659	696	691	654	609	576	550	569	567	563	558	560	555	549	550	542	580						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 150

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1939 — FEBRUARY 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	558	559	565	569	569	580	596	635	670	699	706	733	728	702	633	553	510	477	442	462	496	476	499	512	580	1	13 03	779	18 13	434	345
2				512	516	523	527	530	531	530	531	561	568	601	611	619	559	561	550	573	531	533	532	520	518	519	519	545	1	12 14	681	0 18	508	173
3				522	527	532	531	530	533	552	586	617	640	652	610	563	572	545	560	552	551	538	526	528	534	533	536	557	1	10 37	673	0 08	516	157
4				534	532	542	539	538	542	546	576	617	676	691	697	662	611	590	571	567	561	549	538	535	536	538	537	576	0	9 46	703	1 16	527	176
5				542	544	540	541	542	536	540	563	610	664	691	688	642	587	574	569	525	520	543	542	535	526	530	531	568	1	10 12	717	17 13	503	214
6			✓	521	547	547	557	545	529	510	519	551	592	575	611	558	529	481	425	427	440	453	432	433	433	440	453	504	1	11 39	653	15 28	409	244
7			✓	465	473	488	492	495	500	517	538	588	643	684	694	674	650	600	551	536	525	510	505	502	506	513	515	548	0	11 18	713	0 00	459	254
8	✓			519	524	524	522	523	525	523	538	596	666	733	757	735	702	603	530	493	498	517	521	522	520	519	524	568	0	11 52	780	16 55	481	299
9				529	537	540	543	538	531	519	510	556	619	699	754	751	696	611	554	509	519	517	517	527	516	510	510	567	0	11 17	789	16 38	499	290
10				517	527	527	529	535	543	540	542	561	640	655	740	689	630	602	589	570	559	546	532	531	513	525	524	569	1	11 55	754	21 45	504	250
11				526	535	529	527	530	534	541	547	572	630	669	721	733	709	664	624	588	563	548	545	545	545	545	544	584	0	12 40	738	0 49	523	215
12	✓	✓		542	542	543	543	543	543	534	529	559	614	659	677	662	634	607	593	586	579	573	568	564	559	558	555	578	0	11 03	685	7 31	523	162
13	✓	✓		552	553	556	558	556	558	571	592	627	666	677	673	676	641	632	606	586	572	565	561	559	550	551	548	591	0	12 39	698	23 31	545	153
14	✓			548	543	551	551	549	551	552	557	589	616	634	650	610	612	585	583	588	582	578	571	556	544	551	559	575	0	11 58	672	1 44	542	130
15				559	551	540	552	555	556	566	576	620	659	638	630	634	625	612	611	608	589	573	561	557	553	526	503	581	1	9 20	725	23 17	498	227
16				518	529	526	538	538	541	549	568	608	629	659	632	626	626	598	584	559	558	559	554	551	546	544	542	570	1	10 25	693	0 00	509	184
17				541	538	542	547	540	545	551	584	600	651	646	651	652	641	617	578	573	558	549	542	548	547	543	538	576	1	10 30	680	1 45	533	147
18				537	538	544	553	544	546	550	571	600	643	703	656	675	651	613	593	576	553	539	544	541	539	538	537	578	0	10 43	742	2 03	531	211
19				538	535	535	541	544	545	547	555	597	635	688	715	707	680	652	593	580	562	557	553	553	546	551	547	586	0	12 14	731	1 52	530	201
20	✓			548	550	551	550	551	553	548	556	610	659	720	744	706	683	631	594	575	569	557	548	545	544	544	547	591	0	11 19	755	21 37	541	214
21	✓	✓		544	544	546	548	551	552	544	541	578	630	674	698	706	688	642	615	593	575	561	560	556	553	551	550	588	0	12 10	709	7 03	535	174
22	✓	✓		548	547	550	554	558	561	563	583	624	675	717	739	731	695	669	611	585	571	562	546	535	532	537	545	597	0	12 10	754	21 43	529	225
23	✓			545	547	549	553	557	556	549	549	611	650	695	729	713	696	671	647	600	593	581	564	550	549	533	549	597	0	11 18	751	22 57	522	229
24			✓	545	549	551	556	557	557	557	560	558	629	663	689	729	544	554	340	310	279	241	190	181	272	308	330	469	2	12 11	890	20 29	164	726
25			✓	355	379	406	393	415	443	437	453	487	527	588	567	537	568	558	529	504	494	474	473	477	476	474	474	479	2	11 00	619	0 00	334	285
26	✓			471	474	477	481	483	483	482	499	555	617	667	697	693	661	621	582	539	515	515	514	512	509	506	503	544	0	12 06	718	0 24	470	248
27	✓	✓		504	502	503	507	508	513	512	532	585	617	668	684	689	672	641	611	581	555	535	530	526	524	525	526	565	0	12 22	697	1 11	501	196
28				524	526	518	522	522	528	520	525	571	621	681	681	637	650	645	602	553	509	501	505	512	513	501	502	557	0	10 57	703	22 49	496	207
29																																		
30																																		
31																																		
MEANS ALL DAYS				524	527	530	533	534	536	537	551	588	635	669	683	669	640	608	570	548	534	526	519	518	517	518	520	564						233
MEANS TEN DAYS *				532	533	535	537	538	540	538	548	593	641	684	705	692	668	630	597	573	561	554	548	542	538	538	541	579						203
MEANS FIVE DAYS † (G. M. T.)				538	538	540	542	543	545	545	555	595	640	679	694	693	666	638	607	586	570	551 559	547 553	544	542	541	540	583						
MEANS FIVE DAYS ‡ (G. M. T.)				489	501	511	513	516	522	523	541	571	618	643	659	645	599	565	480	457	443	424	460	452	467	474	484	523						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
☐ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 151

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MARCH 1939 — MARCH 1939

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				506	514	521	508	531	532	519	541	616	613	652	602	556	603	596	580	564	510	472	491	486	473	432	454	536	1	10 09	678	22 08	417	261
2				501	490	488	494	505	510	505	522	565	594	615	634	636	630	618	576	557	544	527	514	517	518	516	517	546	1	11 06	654	0 00	469	185
3				512	509	514	514	513	520	517	539	581	612	623	642	603	625	605	585	530	501	474	468	458	504	466	458	536	1	11 12	697	23 06	453	244
4				475	486	506	507	512	512	508	528	595	656	675	659	619	578	567	525	529	508	485	475	481	493	497	500	536	1	9 55	696	0 20	460	236
5	✓			501	502	503	509	514	520	520	543	598	639	695	680	662	622	563	547	543	528	511	514	520	520	523	520	554	0	10 44	721	0 53	498	223
6				516	518	520	519	527	520	511	531	562	621	670	663	661	631	611	564	538	525	527	519	505	510	516	521	554	0	10 29	683	20 55	501	182
7	✓	✓		520	525	524	527	531	532	534	565	600	651	687	696	676	643	602	569	554	549	541	531	518	515	508	502	567	0	10 54	708	24 00	497	211
8				488	489	508	514	517	529	531	555	598	639	673	697	700	637	608	584	563	565	557	549	530	526	504	522	566	0	12 09	726	0 45	482	244
9				529	525	526	552	550	546	542	553	587	628	665	662	661	603	597	581	565	555	544	539	514	515	523	523	566	1	12 18	714	20 54	499	215
10	✓			516	522	530	532	536	534	532	535	577	638	655	711	695	681	645	607	548	547	546	547	543	536	534	533	574	1	11 19	738	0 15	512	226
11				536	527	538	538	536	542	535	548	596	641	714	669	659	629	615	599	570	539	520	515	526	530	536	536	571	1	10 36	764	19 13	509	255
12				528	527	540	538	538	543	533	540	577	638	645	642	658	646	611	580	566	539	514	527	534	537	532	531	565	1	9 52	689	18 36	508	181
13	✓	✓		531	533	534	532	539	541	528	537	575	594	635	656	659	648	624	596	572	559	550	547	548	550	549	543	570	0	11 56	662	6 09	525	137
14	✓			544	543	542	546	553	550	554	529	541	588	648	654	666	670	638	604	574	556	550	549	548	546	546	541	574	0	13 02	685	7 57	515	170
15				536	530	536	540	556	557	542	536	562	595	653	645	606	620	606	598	587	577	554	541	540	535	526	520	567	1	10 48	691	24 00	516	175
16				523	533	527	529	546	544	520	525	550	587	624	639	633	644	618	576	556	542	535	534	528	524	533	538	559	1	13 16	672	7 15	507	165
17				539	541	535	538	543	539	546	573	601	631	624	636	631	613	600	600	589	571	548	539	539	539	541	541	571	1	12 41	672	2 44	530	142
18	✓	✓		539	541	543	545	548	553	546	549	578	605	632	659	653	636	611	585	569	562	555	550	546	542	543	540	572	0	11 15	665	6 49	536	129
19	✓	✓		538	537	539	542	548	551	551	574	605	643	664	670	660	644	641	610	598	581	571	566	551	543	543	547	584	0	14 08	682	21 26	523	159
20	✓			549	546	548	548	551	552	552	579	629	686	725	727	673	651	619	592	575	564	559	555	551	549	553	548	591	0	11 00	759	1 36	544	215
21				533	539	535	519	539	527	507	497	562	626	694	693	698	625	519	535	541	542	539	537	535	530	511	509	558	1	12 41	743	7 25	482	261
22			✓	502	516	518	524	526	526	501	550	568	611	693	690	634	628	602	563	551	530	517	520	515	529	513	509	556	1	11 03	730	6 36	488	242
23				519	524	522	524	525	533	528	534	589	650	668	666	647	644	629	581	545	516	511	519	519	515	521	527	561	0	10 40	685	18 27	505	180
24	✓			530	533	535	541	540	533	534	555	600	632	658	681	671	646	612	584	568	553	540	535	529	521	522	527	570	0	11 52	697	21 49	519	178
25	✓	✓		524	522	528	539	545	543	537	551	599	636	687	710	693	660	622	596	573	545	531	523	528	526	521	523	573	0	11 12	713	22 43	516	197
26				526	531	529	528	546	542	529	535	574	650	697	716	700	665	611	572	554	539	526	526	523	513	499	511	568	0	12 07	722	22 33	493	229
27			✓	530	533	537	535	527	537	539	548	595	649	691	715	701	664	592	498	515	471	494	488	488	505	514	498	557	1	12 42	740	17 42	462	278
28			✓	517	524	511	516	521	519	498	488	518	607	583	593	555	542	494	429	395	376	396	381	377	391	457	462	485	2	9 48	634	17 31	352	282
29			✓	468	471	485	488	502	490	474	475	505	572	556	589	584	566	557	518	472	468	479	464	456	483	473	485	503	2	10 01	615	6 52	441	174
30			✓	490	487	490	500	498	495	493	507	528	578	599	615	620	595	557	535	500	479	481	493	496	476	505	485	521	1	12 08	659	21 29	468	191
31				495	500	509	509	509	511	516	537	568	613	623	617	620	588	567	552	544	512	493	471	464	471	492	500	533	1	10 49	648	20 06	455	193
MEANS ALL DAYS				518	520	523	526	531	532	525	538	577	623	656	662	648	628	599	568	549	531	521	517	513	515	514	515	556						205
MEANS TEN DAYS ✻				529	530	533	536	540	541	539	552	590	631	669	684	671	650	618	589	567	554	545	542	538	535	534	532	573						184
MEANS FIVE DAYS † (G. M. T.)				530	532	534	537	542	544	539	555	591	626	661	678	668	646	620	591	573	559	537 550	534 543	531	530	531	532	572						
MEANS FIVE DAYS ‡ (G. M. T.)				501	506	508	513	515	513	501	514	543	603	624	640	619	599	560	509	487	465	473	479	476	484	491	493	526						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⍋ = NO RECORD

TABLE 152

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1939 — APRIL 1939

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				501	497	504	506	505	505	515	527	565	602	618	633	588	582	538	530	525	514	488	500	486	480	499	504	530	1	11	27	657	21 31	475	182
2				506	509	510	514	519	517	513	535	566	593	605	606	570	572	547	545	549	527	508	513	512	505	493	495	535	1	11	07	628	22 25	491	137
3				508	514	512	527	523	521	532	562	594	628	656	619	612	572	541	532	513	497	476	478	492	505	512	493	538	0	10	22	672	18 59	473	199
4				502	510	514	521	520	525	535	570	620	655	677	665	652	640	569	499	464	504	512	498	494	491	509	514	548	1	10	34	689	16 04	424	265
5				512	514	524	537	539	529	538	572	633	639	694	693	684	645	592	568	552	541	535	530	529	529	525	523	570	0	12	01	708	0 04	506	202
6	✓	✓		513	527	528	527	533	535	536	556	596	655	684	685	655	610	580	566	565	558	551	544	541	539	536	534	569	0	10	56	693	0 46	506	187
7	✓	✓		530	534	536	540	540	539	537	567	617	682	741	719	680	643	592	566	556	556	549	543	539	537	534	536	580	0	10	29	754	23 05	528	226
8				542	539	545	550	550	550	548	564	597	643	664	659	646	610	546	593	554	558	543	543	524	517	523	525	568	1	11	47	673	20 57	510	163
9				530	536	545	543	544	548	549	574	602	648	682	689	665	622	610	593	571	548	532	527	521	521	523	525	573	1	11	32	744	19 20	506	238
10				542	520	531	539	532	531	544	585	611	656	666	681	670	661	620	589	550	540	515	528	514	518	521	527	570	1	11	17	719	18 39	498	221
11				522	525	528	533	543	533	520	526	578	631	655	673	660	618	543	521	542	531	517	522	538	523	511	531	555	1	11	41	714	15 15	502	212
12				529	522	520	518	521	523	523	539	571	596	619	627	622	597	573	561	553	544	533	529	532	527	520	519	551	1	13	03	635	3 06	513	122
13	✓	✓		521	530	537	536	536	534	547	578	600	643	665	669	658	641	595	582	570	553	545	536	533	538	531	523	571	0	10	10	682	0 45	517	165
14	✓			525	527	533	534	534	537	546	573	597	644	680	673	666	641	586	571	552	543	534	536	534	534	535	532	569	0	10	42	726	0 14	523	203
15	✓	✓		526	536	538	537	536	537	545	561	597	635	667	672	633	606	583	570	570	557	542	539	534	530	528	529	567	0	11	19	673	0 28	524	154
16	✓	✓		530	533	542	544	543	539	544	576	625	675	706	708	685	641	607	591	600	592	568	560	558	596	469	328	578	0	10	57	711	23 40	312	399
17			✓	354	407	375	404	398	414	440	446	484	534	457	452	451	511	530	508	419	412	430	436	440	441	446	451	443	2	8	26	609	2 59	314	295
18			✓	455	460	464	480	477	480	471	482	528	563	633	584	605	563	526	489	491	461	451	465	469	465	476	489	501	1	10	57	661	18 53	441	220
19				489	503	505	501	514	520	529	571	570	584	587	604	665	553	512	498	488	477	457	445	461	472	454	472	518	1	12	44	706	19 54	440	266
20				466	471	479	486	488	485	486	489	535	602	630	684	664	596	553	509	496	481	469	459	467	473	470	471	517	1	11	15	702	19 32	457	245
21				469	463	477	491	494	488	494	517	558	597	666	685	792	648	579	530	507	490	483	485	477	469	473	487	534	1	12	15	895	1 15	461	434
22				490	490	495	498	498	493	482	505	550	623	667	663	652	630	574	535	515	490	466	465	471	485	489	490	530	1	11	59	703	18 26	461	242
23			✓	466	451	393	418	421	425	457	424	424	503	553	460	535	554	549	519	503	484	464	474	478	478	479	475	474	2	10	46	611	1 55	370	241
24			✓	475	475	477	479	484	491	476	489	538	598	658	673	695	771	667	341	228	289	275	244	317	391	383	384	471	2	12	41	865	15 44	199	666
25			✓	407	420	430	435	434	430	424	438	454	526	547	566	553	525	507	469	474	468	441	471	465	460	461	465	470	2	9	19	614	0 03	381	233
26	✓			468	472	475	477	480	481	489	517	559	608	640	656	637	620	584	549	530	513	502	501	498	493	491	493	531	0	11	09	668	0 00	464	204
27				493	493	492	493	499	500	505	529	567	606	661	667	638	616	588	562	555	504	470	471	470	466	464	475	533	0	11	16	681	18 02	459	222
28	✓			487	486	486	493	497	500	504	527	577	586	630	675	653	620	578	549	517	499	501	500	499	500	507	497	536	0	11	16	693	0 02	476	217
29	✓			498	501	503	505	505	513	526	553	583	637	672	661	713	623	569	542	527	517	512	498	498	506	507	507	549	1	12	24	770	0 00	494	276
30	✓			511	513	516	513	517	522	536	569	602	649	642	655	636	596	563	537	533	524	511	506	505	513	515	515	550	0	11	34	667	20 02	500	167
31																																			
MEANS ALL DAYS				496	499	500	506	507	508	513	534	570	615	644	645	641	611	570	537	519	509	496	495	497	500	496	494	538							240
MEANS TEN DAYS ✻				511	516	519	521	522	524	531	558	595	641	673	677	662	624	584	562	552	541	532	526	524	529	515	499	560							220
MEANS FIVE DAYS † (G. M. T.)				524	532	536	537	538	537	542	568	607	658	693	691	662	628	591	575	572	563	539 551	536 544	534	532	529	527	573							
MEANS FIVE DAYS ‡ (G. M. T.)				431	443	428	443	443	448	454	456	486	545	570	547	568	585	556	465	423	423	412	436	453	478	453	426	474							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 153

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1939 — MAY 1939

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	511	513	514	512	510	506	538	565	565	528	534	596	555	525	467	427	426	408	404	425	388	425	452	442	489	1	8	59	21 00	370	274
2			✓	420	446	465	439	460	477	479	504	491	553	593	561	573	608	568	518	512	503	475	466	457	446	441	435	495	2	13 35	637	0 06	406	231
3				439	460	464	467	471	483	494	530	565	622	624	651	619	583	561	516	515	516	496	486	492	488	491	490	522	1	11 29	664	0 00	430	234
4	✓			498	504	504	505	508	515	513	526	575	639	698	708	684	626	587	552	536	532	522	517	513	506	504	503	553	0	11 23	721	0 00	494	227
5				510	507	500	512	515	515	520	548	587	629	680	685	680	668	605	599	636	598	563	558	534	527	518	513	571	1	15 48	720	2 08	495	225
6			✓	512	521	530	536	534	517	517	540	545	482	609	645	605	590	592	545	471	454	443	426	411	431	421	461	514	1	11 37	679	20 47	395	284
7			✓	441	443	487	483	462	476	494	512	529	552	619	624	624	620	591	562	540	522	493	491	513	466	465	477	521	1	11 53	645	0 39	428	217
8			✓	495	508	499	493	494	491	486	507	549	561	614	645	646	638	615	573	521	515	504	486	475	483	498	485	533	1	12 07	664	20 17	468	196
9				489	491	501	500	509	509	501	510	534	553	587	635	636	624	597	570	546	525	505	502	507	509	513	512	536	1	11 54	660	0 00	480	180
10	✓			510	507	513	519	519	518	523	538	574	610	660	685	638	629	612	585	557	532	522	519	515	515	512	516	555	0	11 50	725	1 12	504	221
11	✓	✓		523	523	522	523	521	520	500	494	517	527	571	597	611	610	592	573	553	540	532	523	520	519	521	524	540	0	12 30	616	7 16	485	131
12	✓	✓		521	521	530	529	528	528	542	564	588	619	637	639	640	626	606	574	557	548	541	536	534	531	526	527	562	0	12 11	661	1 13	518	143
13	✓	✓		528	526	530	528	528	530	542	569	581	631	655	669	651	628	598	565	535	533	528	528	528	525	524	520	562	0	11 07	682	23 45	517	165
14	✓	✓		523	530	532	530	535	537	546	563	584	610	638	642	622	621	613	597	578	564	554	544	546	545	531	530	567	0	11 52	650	0 00	519	131
15	✓			528	526	521	539	537	536	554	583	614	620	625	621	639	633	595	570	548	534	534	534	548	521	508	529	562	0	13 04	652	22 39	488	164
16				492	483	505	509	498	507	511	519	545	581	600	610	596	578	553	542	533	527	521	514	514	514	515	516	533	1	11 13	618	1 00	476	142
17				516	513	522	520	519	523	548	578	626	665	662	648	601	558	535	524	520	508	514	504	483	479	477	483	543	0	10 08	689	22 23	474	215
18	✓			493	501	512	520	522	527	546	582	595	608	609	629	627	608	584	559	534	501	480	468	475	475	486	479	538	0	12 24	637	19 45	465	172
19				505	502	511	525	527	527	542	567	595	620	646	659	635	613	551	525	509	489	488	477	464	475	465	490	538	0	11 57	670	20 44	454	216
20				499	490	495	512	515	509	519	549	580	621	643	639	630	601	564	531	521	520	508	494	499	494	492	496	538	0	11 01	658	1 12	486	172
21				492	495	506	516	522	531	546	562	591	615	631	572	590	567	542	526	515	478	464	453	437	457	494	494	525	1	10 14	647	20 56	413	234
22				496	482	492	501	512	500	500	529	555	591	610	589	614	596	577	554	531	494	465	470	477	461	464	480	522	1	12 18	632	22 00	448	184
23				492	492	500	528	513	512	509	534	560	604	650	653	625	598	551	537	508	482	474	482	487	489	485	481	531	1	10 58	679	18 21	451	228
24				493	498	497	499	505	509	520	531	553	604	597	626	621	631	564	514	469	479	489	501	495	472	503	496	528	1	12 08	665	16 34	461	204
25				499	509	509	508	511	518	533	549	580	618	635	610	616	617	608	556	499	491	491	488	495	483	475	475	536	1	10 57	661	23 29	472	189
26				484	503	509	503	500	511	529	532	563	590	618	577	584	572	547	532	519	508	493	502	498	507	495	496	528	1	10 30	636	0 13	481	155
27				515	504	504	508	509	513	528	550	587	624	663	675	664	641	612	588	564	536	496	505	503	495	498	501	553	0	11 32	681	21 16	463	218
28				505	500	503	517	521	519	515	531	565	596	626	657	675	660	623	591	565	545	516	475	464	469	457	465	544	1	12 19	692	23 13	450	242
29				474	475	490	539	519	518	531	548	544	584	620	641	673	564	566	533	510	508	500	502	503	503	504	502	535	1	12 42	701	1 27	456	245
30	✓			505	509	507	509	512	509	521	544	572	597	628	642	647	630	597	565	551	542	533	532	527	522	515	515	551	0	12 14	653	0 02	503	150
31	✓	✓		514	516	516	529	533	529	537	562	597	636	673	687	685	660	616	572	549	530	531	536	535	534	541	542	569	0	11 56	697	0 19	513	184
MEANS ALL DAYS				497	500	506	512	513	514	522	543	568	596	628	636	629	610	580	551	530	515	503	498	495	492	493	496	539						199
MEANS TEN DAYS ✻				514	516	519	523	524	525	532	552	580	610	639	652	644	627	600	571	550	536	528	524	524	519	517	518	556						169
MEANS FIVE DAYS † (G. M. T.)				522	523	526	528	529	529	533	550	573	605	635	647	642	629	605	576	554	543	531 537	528 533	525	522	520	520	558						
MEANS FIVE DAYS ‡ (G. M. T.)				476	486	499	493	496	494	503	526	536	535	594	614	601	596	567	525	494	480	464	481	470	472	474	482	515						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 154

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1939 — JUNE 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				535	542	545	546	539	539	556	580	604	664	680	632	669	631	609	565	556	548	541	531	522	516	508	524	570	1	10 10	725	22 01	486	239
2				516	518	527	528	523	523	518	538	559	629	646	674	660	628	578	566	553	534	532	524	516	510	511	517	555	1	12 23	705	21 25	507	198
3				527	521	526	532	526	528	527	552	586	624	641	651	628	614	587	560	535	534	528	526	518	507	516	524	555	0	11 41	671	21 39	504	167
4				532	524	524	528	529	528	539	562	604	646	673	682	667	651	617	573	544	532	530	529	524	519	525	522	567	1	11 41	703	0 00	515	188
5				515	517	521	535	530	524	526	544	572	632	624	650	658	638	607	578	553	541	528	523	526	529	536	532	560	0	12 21	666	0 23	514	152
6	✓			529	526	528	532	532	533	548	561	585	611	638	653	667	647	621	586	552	542	540	537	536	535	534	535	567	0	12 16	689	1 23	524	165
7	✓	✓		530	532	533	535	538	542	554	568	589	616	648	659	656	631	611	577	560	549	542	540	538	535	535	535	569	0	11 33	667	0 43	528	139
8	✓	✓		536	538	541	542	543	546	559	583	610	621	632	642	653	650	620	591	571	558	551	549	547	542	538	537	575	0	13 10	663	0 33	534	129
9	✓	✓		537	535	537	540	546	547	558	572	573	596	627	645	649	635	607	582	571	560	547	543	549	548	546	544	571	0	12 23	657	1 36	534	123
10	✓			545	551	555	558	558	562	576	607	631	644	675	674	675	678	637	592	570	559	553	547	548	545	543	537	588	0	12 52	685	23 43	535	150
11	✓	✓		535	534	534	539	544	550	561	569	581	608	633	650	646	624	598	571	560	559	550	541	538	534	534	539	568	0	11 49	656	21 22	530	126
12	✓			535	539	548	544	541	544	555	583	603	629	651	671	670	645	614	590	572	557	548	543	534	525	522	536	575	0	11 38	680	22 12	515	165
13				544	539	547	552	552	558	558	580	600	644	650	673	701	686	633	577	534	516	505	495	441	448	465	490	562	1	12 52	723	20 48	420	303
14			✓	488	501	482	480	467	463	476	474	471	500	565	571	567	529	512	491	471	468	485	473	470	468	476	489	493	1	11 45	603	8 31	436	167
15	✓			488	488	493	499	493	493	499	508	547	595	608	623	624	606	563	526	504	498	506	500	488	498	480	471	525	0	12 13	643	23 39	460	183
16			✓	487	494	491	487	487	485	501	525	532	567	557	543	557	572	566	539	521	507	501	499	498	496	496	499	517	1	9 35	584	4 50	472	112
17	✓			501	503	503	507	510	514	522	533	553	580	600	627	623	612	579	555	538	522	523	522	505	494	484	490	538	0	12 15	642	23 20	474	168
18				517	499	503	499	505	500	511	531	549	542	582	593	615	572	554	549	538	525	500	499	496	481	485	506	527	1	12 16	625	21 25	477	148
19			✓	492	486	503	505	513	517	537	560	579	606	600	615	633	611	592	545	520	507	485	475	490	506	499	494	536	1	12 14	657	19 13	467	190
20				504	498	494	502	500	504	510	525	529	588	584	594	595	584	563	551	531	523	515	513	506	519	512	497	531	0	12 06	611	23 45	489	122
21				513	505	524	523	515	518	524	560	577	602	610	605	614	613	569	515	514	514	510	518	514	504	508	501	540	1	9 59	630	23 49	488	142
22				495	506	530	526	522	516	525	527	532	548	565	590	604	599	598	582	552	528	512	504	520	502	496	508	537	0	12 02	611	0 16	488	123
23				524	523	518	519	527	527	530	548	563	609	639	660	634	603	573	550	537	529	515	512	509	528	522	511	550	0	11 41	668	20 49	507	161
24				512	524	520	520	528	533	544	557	571	607	618	623	618	607	588	569	553	528	523	517	518	512	522	524	552	0	11 11	629	21 18	509	120
25	✓	✓		522	523	529	531	535	537	543	544	541	574	611	634	635	642	618	594	556	532	528	527	533	539	534	530	558	0	13 32	647	0 02	520	127
26				536	536	542	547	533	540	548	554	574	599	610	646	634	613	602	636	577	550	536	531	543	545	535	518	566	1	15 24	684	24 00	510	174
27			✓	512	534	520	532	535	520	543	566	580	598	620	617	615	612	591	577	555	541	536	528	528	525	525	527	556	0	10 40	641	0 43	507	134
28				535	529	530	531	534	536	544	562	563	590	641	620	648	611	604	583	556	528	541	538	524	520	531	517	559	1	12 40	679	23 56	505	174
29			✓	505	513	525	535	526	515	534	568	578	607	626	611	612	592	574	559	547	535	524	514	515	518	513	517	548	1	9 58	663	0 46	498	165
30				525	522	522	520	531	533	548	583	614	643	672	688	647	612	582	564	548	526	510	520	520	518	519	525	562	0	11 35	698	18 37	508	190
31																																		
MEANS ALL DAYS				519	520	523	526	525	526	536	554	572	604	624	634	636	618	592	566	545	532	525	521	517	516	515	517	553						161
MEANS TEN DAYS *				526	527	530	533	534	537	548	563	581	607	632	648	651	637	607	576	555	544	539	535	532	530	525	525	563						148
MEANS FIVE DAYS (G. M. T.) †				532	532	535	537	541	544	555	567	579	603	630	646	648	636	611	583	564	552	542 544	538 540	537	534	534	534	567						
MEANS FIVE DAYS (G. M. T.) ‡				497	506	504	508	505	500	518	539	548	576	594	591	597	583	567	542	523	512	506	513	498	498	499	500	530						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 155

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1939 — JULY 1939

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				531	530	525	531	529	529	539	563	583	615	636	661	647	625	592	557	542	537	531	526	527	524	527	523	560	0	11	39 672	24	00 513	159
2				530	520	533	534	534	537	547	552	576	615	617	643	653	622	592	568	550	541	539	540	544	535	530	518	561	0	12	11 671	0	01 512	159
3			✓	524	529	541	525	510	513	503	498	525	541	594	590	629	627	552	521	530	505	503	516	503	502	505	509	533	1	13	02 675	8	54 444	231
4			✓	513	512	514	509	507	505	506	526	561	630	680	714	695	641	586	517	485	486	509	503	510	454	431	410	538	1	11	04 737	23	53 404	333
5			✓	437	419	427	422	434	440	452	444	434	508	543	563	558	531	451	487	455	437	434	426	429	436	475	477	463	2	10	46 693	14	17 333	360
6				471	467	467	472	475	486	489	498	521	557	589	603	609	595	559	529	514	506	502	499	495	498	499	500	517	0	12	05 613	2	15 465	148
7	✓	✓		501	503	503	504	505	508	522	541	559	588	617	638	642	624	593	561	534	520	515	512	513	512	510	509	543	0	12	12 647	0	03 500	147
8	✓			512	516	516	516	518	520	534	566	597	633	650	650	614	599	556	535	535	536	523	516	514	517	516	520	550	0	10	58 668	0	00 509	159
9	✓	✓		522	523	525	527	529	529	541	559	579	611	635	658	650	633	613	587	557	539	530	531	529	529	524	523	562	0	11	46 667	0	00 521	146
10	✓	✓		528	527	527	529	532	536	547	574	597	618	637	645	647	642	622	606	578	557	543	543	542	543	542	543	571	0	12	44 653	1	29 525	128
11				544	548	552	556	567	574	591	645	674	625	612	651	682	671	609	596	572	558	554	550	547	547	541	538	588	1	13	04 715	23	56 536	179
12				536	538	538	541	553	555	566	579	588	577	574	590	597	510	537	544	539	525	516	518	521	520	524	523	546	1	9	59 663	13	09 487	176
13	✓	✓		522	524	522	523	525	529	549	581	601	620	631	638	635	625	599	586	566	547	536	532	529	531	534	539	564	0	11	52 646	2	04 520	126
14				522	517	519	513	527	527	566	536	557	595	645	578	543	541	536	543	504	473	460	479	490	498	493	501	528	1	10	23 673	7	31 443	230
15				509	510	513	526	523	525	522	536	557	580	601	631	632	626	600	557	533	529	524	524	521	523	533	525	548	0	11	34 653	0	20 505	148
16				527	529	534	542	538	533	536	548	572	618	665	688	692	605	573	537	500	497	496	502	480	487	502	508	550	0	11	45 734	21	01 471	263
17				523	531	520	513	518	523	539	547	575	609	632	648	666	634	592	554	534	518	505	506	512	507	507	513	551	0	12	25 683	18	24 499	184
18				524	529	525	522	523	524	527	535	554	593	640	666	656	640	596	562	534	521	521	521	537	531	529	529	556	0	11	14 676	0	11 518	158
19				526	537	533	526	534	540	551	574	595	617	645	673	681	653	593	561	543	556	514	502	499	494	498	497	560	0	12	19 689	21	28 491	198
20			✓	529	488	488	502	507	506	502	499	476	491	542	606	610	600	568	524	491	513	518	517	516	509	517	504	522	1	12	22 665	9	36 392	273
21			✓	505	508	509	511	513	537	508	517	513	492	598	637	664	620	580	522	497	497	502	498	487	491	482	520	530	1	12	01 693	8	56 415	278
22				500	499	497	504	518	528	521	532	515	541	586	630	635	619	597	563	532	511	506	505	507	520	510	510	537	1	11	22 644	0	55 490	154
23				509	515	522	528	518	513	523	542	580	610	638	648	636	603	577	549	532	526	522	525	523	527	529	531	551	0	11	52 678	0	35 505	173
24	✓			533	528	527	527	531	535	540	551	570	608	654	670	673	643	609	577	549	538	534	532	539	524	526	527	564	0	12	06 685	2	36 518	167
25				515	489	497	507	507	520	526	538	553	581	605	612	613	601	570	550	536	533	530	528	530	530	529	504	542	0	12	11 631	1	58 475	156
26				496	492	489	522	509	497	510	534	560	588	631	604	606	566	529	523	513	503	501	500	501	501	515	504	529	1	10	49 699	2	34 466	233
27				499	514	523	518	518	518	524	540	553	584	606	600	595	579	565	555	537	505	505	508	508	511	514	518	537	0	9	57 631	0	26 496	135
28	✓			518	526	524	520	525	525	530	547	572	609	651	667	664	618	587	556	542	525	514	518	516	516	519	528	555	0	11	48 680	18	25 510	170
29	✓			523	519	518	519	526	531	543	562	597	624	654	664	662	625	595	569	553	539	530	531	527	521	518	530	562	0	12	15 670	2	35 516	154
30	✓	✓		521	520	522	525	527	532	553	583	617	652	672	680	670	645	613	581	553	541	535	533	532	534	527	531	571	0	11	34 693	0	20 518	175
31	✓			528	525	539	535	536	539	549	566	583	611	628	647	641	609	573	551	539	542	534	521	513	519	522	527	557	0	11	45 653	20	29 510	143
MEANS ALL DAYS				515	514	516	518	520	523	531	546	564	592	623	638	639	612	578	553	532	521	516	515	514	513	514	514	547						188
MEANS TEN DAYS ✻				521	521	522	522	525	528	541	563	587	617	643	656	650	626	596	571	551	538	529	527	525	525	524	528	560						152
MEANS FIVE DAYS (G. M. T.) †				519	519	520	522	524	527	542	568	591	618	638	652	649	634	608	584	558	541	520 532	519 530	517	517	516	519	560						
MEANS FIVE DAYS (G. M. T.) ‡				502	491	496	494	494	500	494	497	502	532	591	622	631	604	547	514	492	488	493	516	514	499	496	488	521						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 156

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1939

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				538	534	533	535	540	544	562	589	623	655	682	693	686	662	627	586	554	545	542	539	535	535	533	534	579	0	11 15	699	0 00	525	174
2	✓	✓		536	535	534	541	543	545	556	580	616	650	676	687	682	661	630	592	561	549	542	539	537	537	537	537	579	0	11 14	689	1 46	532	157
3	✓	✓		540	541	543	543	542	541	533	533	562	613	647	672	660	636	604	577	559	554	550	545	542	538	536	536	569	0	11 30	677	6 54	529	148
4	✓			538	539	541	541	539	541	549	570	599	629	648	679	703	676	630	583	556	543	543	547	546	544	542	541	578	0	12 28	710	0 00	537	173
5	✓	✓		544	546	548	547	548	553	562	567	575	602	642	674	684	664	635	605	577	567	560	556	552	552	552	549	582	0	12 02	688	0 51	542	146
6	✓	✓		547	550	551	552	554	554	551	564	599	636	673	715	715	695	652	610	575	558	553	548	541	539	540	545	588	0	12 10	722	21 27	536	186
7	✓	✓		548	549	546	548	554	554	550	565	583	624	671	709	715	698	660	613	578	558	552	550	546	549	549	549	588	0	12 29	724	20 43	544	180
8	✓			551	551	551	551	551	554	547	552	586	642	698	738	710	698	673	609	572	552	550	549	549	548	548	548	591	0	11 51	750	7 08	543	207
9	✓			549	548	547	547	545	545	548	566	592	623	670	710	721	706	662	614	580	560	558	555	552	552	549	547	589	0	12 19	723	5 16	542	181
10				547	551	556	559	541	564	547	565	577	622	665	725	713	649	575	533	522	530	522	516	514	521	525	527	569	0	11 54	753	20 03	511	242
11				528	526	526	531	537	541	549	575	589	615	648	686	680	679	645	624	595	531	514	522	552	509	437	367	563	1	13 30	710	23 39	312	398
12			✓	340	378	368	434	422	404	426	440	465	484	538	560	547	534	513	485	447	433	460	453	428	447	453	481	456	2	11 46	579	0 28	325	254
13			✓	465	465	477	475	480	479	490	510	547	575	628	630	602	581	556	527	501	490	498	489	486	496	491	485	518	1	10 50	659	1 15	459	200
14				505	493	485	490	494	496	503	529	560	597	636	665	651	621	583	551	525	511	504	505	502	501	502	504	538	0	11 22	676	2 24	482	194
15				505	505	505	508	512	516	520	537	570	612	651	676	653	619	588	552	533	524	514	512	508	506	505	490	547	0	12 04	684	23 40	487	197
16			✓	486	509	503	498	509	513	529	525	546	564	578	425	551	567	570	546	503	457	452	435	408	414	446	469	500	1	10 36	777	11 32	314	463
17				462	468	474	488	494	492	508	524	537	577	575	580	579	565	547	530	516	512	502	501	497	494	496	497	517	1	11 27	605	0 24	453	152
18	✓			500	501	501	502	503	507	516	546	591	640	686	714	709	678	639	583	539	521	514	511	507	503	501	504	559	0	11 42	722	0 14	499	223
19				510	523	533	534	542	539	549	567	613	667	704	653	637	641	594	552	530	523	516	516	516	519	516	521	563	1	11 07	730	0 01	507	223
20				527	527	529	527	531	544	548	549	565	602	605	615	609	583	568	557	547	542	539	535	531	532	531	533	553	0	9 32	633	0 00	523	110
21				532	534	535	535	536	537	552	576	598	614	646	651	629	616	580	568	566	545	523	525	509	423	365	409	546	0	10 47	667	22 42	317	350
22			✓	427	446	463	479	484	501	512	501	406	378	402	435	487	463	441	414	370	375	347	358	364	356	405	372	424	2	7 31	546	9 23	256	290
23			✓	391	442	417	431	456	451	435	427	476	482	492	522	518	521	516	508	485	462	455	454	466	467	463	459	466	2	13 30	535	0 00	366	169
24				465	465	480	484	483	482	503	540	557	591	618	620	601	590	567	538	513	499	486	483	478	481	488	480	520	0	11 41	633	0 14	462	171
25				483	482	481	484	486	490	512	541	567	594	613	615	617	592	562	534	517	497	490	491	494	492	486	487	525	0	10 47	625	2 31	479	146
26				494	497	501	501	500	507	526	545	581	619	636	662	648	611	571	543	527	516	503	500	492	486	489	497	540	0	11 52	672	21 57	480	192
27				499	502	505	510	511	519	541	567	600	631	651	645	651	608	575	533	521	514	508	503	506	501	499	503	546	0	10 48	670	21 59	497	173
28				506	509	512	513	511	520	536	566	602	644	673	689	663	634	594	562	542	527	518	514	508	498	496	503	556	0	11 26	702	22 36	494	208
29				504	508	511	514	520	520	527	532	554	586	623	651	656	640	605	569	544	536	532	527	522	518	515	514	551	0	12 18	660	0 06	501	159
30				514	518	519	520	520	520	541	559	576	607	638	601	620	627	610	573	547	531	530	526	525	526	525	526	554	1	10 44	649	0 24	513	136
31	✓			528	530	535	539	543	546	560	587	627	679	699	719	721	705	688	624	578	552	541	535	532	531	531	531	590	0	11 48	736	0 04	527	209
MEANS ALL DAYS				504	509	510	515	517	520	529	545	569	602	633	646	646	626	595	561	535	520	513	511	508	504	502	501	547						207
MEANS TEN DAYS ✻				538	539	540	541	542	544	547	563	593	634	671	702	702	682	647	601	568	551	546	544	540	539	538	539	581						181
MEANS FIVE DAYS (G. M. T.) †				543	544	544	546	548	549	550	562	587	625	662	691	691	671	636	599	570	557	548 551	546 548	542	541	541	541	581						
MEANS FIVE DAYS (G. M. T.) ‡				422	448	446	463	470	470	478	481	488	497	528	514	541	533	519	496	461	443	442	474	472	448	433	424	475						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 157

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1939 — SEPTEMBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		532	533	537	534	536	536	530	543	578	633	659	637	637	628	596	566	552	543	540	536	534	538	537	539	564	0	10	39 665	6	42 525	140
2				547	546	550	557	555	554	552	579	623	678	726	718	689	642	607	590	580	582	555	528	511	440	419	426	573	1	10	59 739	21	43 413	326
3			✓	467	491	482	494	530	528	488	518	554	602	638	625	646	608	584	543	502	517	514	507	494	482	492	499	534	1	10	40 701	0	00 444	257
4				500	502	506	508	512	514	517	533	571	614	645	670	672	657	625	600	562	539	527	521	521	518	517	519	557	0	12	03 680	0	06 497	183
5	✓	✓		521	521	522	523	523	525	540	570	614	652	675	679	666	638	608	572	555	537	513	511	518	527	525	527	565	0	11	27 684	19	52 507	177
6				521	521	528	528	525	527	537	562	597	648	687	709	707	682	642	643	577	552	522	521	527	520	528	525	576	0	11	06 714	18	46 514	200
7				523	524	529	530	538	540	548	565	587	624	680	681	666	639	616	596	575	553	538	533	530	526	528	528	571	0	10	43 701	0	06 521	180
8	✓			527	531	528	529	528	536	555	580	618	665	692	697	683	674	649	628	595	564	549	549	534	523	534	537	584	0	11	39 716	20	29 515	201
9			✓	503	489	489	502	507	509	522	528	540	581	622	624	629	628	626	575	543	528	518	516	503	486	480	477	539	1	10	28 677	22	53 470	207
10				506	514	520	525	525	534	558	585	618	618	600	612	631	640	603	581	557	525	512	511	511	521	517	509	556	0	13	13 669	0	00 484	185
11				510	510	521	520	521	525	547	579	621	649	685	679	680	661	634	588	556	534	520	515	512	510	514	510	567	0	10	15 694	21	28 497	197
12				515	513	511	516	523	523	534	575	613	647	664	649	623	611	580	567	536	531	519	514	520	518	514	513	555	0	10	52 708	3	02 508	200
13	✓			516	519	520	523	524	527	554	589	639	678	705	692	661	620	579	560	554	538	520	525	525	514	510	507	567	0	10	40 766	23	18 502	264
14				517	520	525	525	530	525	536	563	595	629	653	638	628	611	585	564	540	532	528	526	530	530	530	528	558	0	10	04 672	0	00 512	160
15	✓			526	530	528	532	538	538	532	550	602	659	702	726	706	663	618	585	559	540	518	525	534	525	523	525	574	0	11	54 734	18	40 510	224
16	✓			525	530	535	540	546	544	545	579	632	677	729	739	729	680	627	588	567	557	544	542	546	523	503	478	584	1	10	47 752	23	44 469	283
17			✓	491	484	502	509	523	531	543	548	536	566	667	693	610	521	500	421	418	419	425	429	449	457	463	470	507	1	10	58 740	16	58 406	334
18				472	476	481	482	482	487	479	470	489	522	566	618	625	618	602	572	540	517	511	508	500	489	495	485	520	0	12	36 635	7	06 463	172
19			✓	499	479	504	495	496	500	485	478	505	590	604	602	590	598	564	544	512	475	441	447	435	427	465	477	509	1	13	03 656	20	59 420	236
20			✓	466	478	491	489	488	501	485	503	535	610	617	642	614	602	586	564	543	520	504	503	500	506	509	496	531	1	11	08 657	1	04 460	197
21				493	500	505	516	512	507	494	506	531	588	625	665	646	631	608	576	554	526	516	520	514	512	507	506	544	0	11	16 689	6	57 487	202
22				519	520	521	525	532	523	531	566	600	650	695	647	674	629	605	596	557	527	510	514	511	510	509	506	562	0	10	38 715	23	40 505	210
23	✓			508	511	515	521	520	518	510	519	549	581	608	632	630	635	621	598	562	535	519	516	513	497	486	486	545	0	13	39 651	22	45 482	169
24	✓	✓		496	502	505	510	514	520	525	546	582	622	639	646	639	622	609	582	569	548	530	527	528	528	524	520	556	0	11	06 650	0	29 493	157
25				522	523	524	535	541	532	540	574	613	676	751	758	717	628	624	607	579	544	518	502	501	463	435	453	569	1	10	51 794	22	01 431	363
26				472	488	491	495	502	504	511	540	593	620	646	677	681	637	580	547	537	527	521	515	515	513	510	506	547	0	12	14 711	0	07 466	245
27				511	514	515	518	521	522	527	561	614	679	727	762	735	674	650	607	559	541	528	516	514	515	515	515	577	0	11	21 771	0	00 508	263
28	✓	✓		518	520	522	525	523	523	526	549	589	640	674	701	714	678	626	602	577	550	538	531	530	529	524	523	572	0	12	24 727	2	03 516	211
29	✓	✓		525	527	536	539	541	536	534	561	616	679	720	744	737	713	671	620	584	558	540	532	531	530	528	528	589	0	11	30 764	0	37 523	241
30				530	533	535	533	532	525	526	542	598	664	713	755	756	724	633	545	507	490	472	474	489	502	509	506	566	0	11	48 773	18	57 461	312
31																																		
MEANS ALL DAYS				509	512	516	519	523	524	527	549	585	631	667	677	667	640	609	578	550	532	517	514	513	506	505	504	557						223
MEANS TEN DAYS *				519	522	525	528	529	530	535	559	602	649	680	689	680	655	620	590	567	547	531	529	529	523	519	517	570						207
MEANS FIVE DAYS † (G. M. T.)				518	521	524	526	527	528	531	554	596	645	673	681	679	656	622	588	567	547	531 532	524 527	522	518	515	515	567						
MEANS FIVE DAYS ‡ (G. M. T.)				485	484	494	498	509	514	505	515	534	590	630	637	618	591	572	529	504	492	480	515	505	480	483	481	527						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 158

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				518	521	525	526	529	523	501	515	567	619	690	734	751	710	652	611	557	535	533	527	527	523	523	519	572	1	12	56789	6	44496	293
2	✓			523	525	527	538	540	539	545	585	641	718	772	811	798	764	699	622	578	567	559	550	541	533	533	523	605	0	11	28834	23	28518	316
3			✓	524	523	516	499	523	503	468	469	533	468	606	716	711	666	547	454	436	429	442	420	374	327	343	355	494	1	12	52772	21	03306	466
4			✓	420	428	436	442	447	453	451	468	501	543	578	628	652	618	597	538	516	486	477	464	461	461	461	468	500	1	12	19705	0	00413	292
5				477	476	479	481	479	495	470	468	520	583	649	698	696	675	593	542	513	500	487	465	453	447	417	402	519	1	12	04737	23	35400	337
6				441	455	443	451	479	476	468	487	519	598	615	637	625	583	569	510	512	509	508	504	494	496	497	495	515	1	12	01657	0	02401	256
7				496	496	499	501	502	509	511	543	582	632	722	714	669	634	578	507	473	477	486	485	479	490	489	488	540	0	11	10753	15	59469	284
8				490	488	495	497	499	498	498	517	566	621	660	685	705	675	615	588	546	526	502	479	476	473	486	491	545	0	12	06728	21	37465	263
9				493	466	488	486	487	496	508	544	550	519	579	577	581	585	575	555	532	503	492	496	496	491	490	493	520	1	12	56602	1	56457	145
10	✓			494	500	501	499	505	509	519	558	583	628	649	665	662	637	611	574	549	524	524	521	515	514	526	525	554	0	11	29680	0	36492	188
11				528	529	531	527	529	527	530	558	595	617	640	656	624	619	613	589	568	525	499	507	517	514	504	502	556	0	14	49683	18	39495	188
12	✓	✓		506	514	514	515	519	520	534	572	621	663	690	679	664	624	585	566	560	547	535	528	524	573	554	549	569	0	10	45694	0	00502	192
13			✓	497	494	450	460	477	486	487	542	586	651	677	712	661	541	428	308	289	288	308	349	356	371	398	391	467	2	11	25805	17	11239	566
14			✓	388	417	415	426	463	468	458	464	520	592	607	617	559	551	509	469	478	473	463	467	457	446	418	408	481	2	10	57666	23	33363	303
15			✓	430	432	423	423	429	434	441	471	524	557	586	626	616	581	512	487	467	458	457	483	480	463	462	468	488	1	11	36656	0	28379	277
16				467	473	480	476	491	491	485	532	577	661	700	672	628	569	526	486	457	462	470	466	465	460	466	465	518	1	11	54744	16	36445	299
17				477	486	479	479	481	481	470	486	540	630	671	701	680	640	529	480	478	484	488	481	472	468	463	458	521	1	11	15743	15	52446	297
18				462	481	486	483	483	484	484	492	546	591	639	626	633	567	554	522	512	494	472	469	469	467	460	481	515	1	11	11692	22	35453	239
19				467	470	475	471	488	491	471	496	568	640	666	657	626	612	579	537	506	494	491	489	489	490	488	479	527	0	11	39677	0	39459	218
20	✓	✓		479	481	488	488	496	501	509	542	590	638	665	671	658	635	609	578	549	529	520	516	513	510	503	494	548	0	11	11681	0	07477	204
21				496	505	517	514	517	515	528	578	617	601	642	664	663	651	566	566	550	502	490	503	508	504	496	493	549	0	13	11680	18	09476	204
22				497	498	492	498	502	500	508	542	592	649	685	681	674	640	610	556	537	535	531	522	520	517	514	511	555	0	10	54703	2	19489	214
23				507	507	508	505	507	505	502	540	592	615	613	616	598	580	579	544	516	490	481	479	492	490	484	487	531	0	11	15649	19	06468	181
24	✓			485	488	498	501	502	501	506	544	596	644	651	656	651	630	599	587	560	541	524	520	508	500	505	503	550	0	11	19670	1	20483	187
25	✓	✓		507	510	509	511	510	509	520	560	616	646	680	677	662	624	585	566	557	544	535	529	522	520	520	516	560	0	11	07690	0	01503	187
26	✓			517	518	520	521	522	525	543	593	651	678	690	675	636	620	613	567	546	541	538	533	529	520	519	517	568	0	10	36697	0	02515	182
27	✓	✓		517	517	522	523	523	523	536	580	638	686	723	717	674	621	594	580	569	552	542	538	539	535	533	529	575	0	10	47768	1	42516	252
28				518	514	533	539	535	531	539	534	588	649	696	700	683	642	611	557	526	515	512	517	510	488	477	491	559	0	11	04727	22	03474	253
29				501	502	503	509	507	510	523	552	603	616	650	660	651	622	586	550	539	531	526	514	501	492	496	498	548	0	10	55678	21	25488	190
30	✓			507	510	512	514	518	515	520	542	585	622	629	663	665	628	609	575	545	524	510	506	508	514	507	505	551	0	11	24678	20	02499	179
31	✓	✓		514	514	511	515	515	511	503	527	555	599	634	650	639	622	602	568	550	535	525	518	511	504	502	503	547	0	11	39660	21	56498	162
MEANS ALL DAYS				488	492	493	494	500	501	501	529	576	619	657	672	658	625	582	540	518	504	498	495	491	487	485	484	537						252
MEANS TEN DAYS *				505	508	510	512	515	515	524	560	608	652	678	686	671	640	611	578	556	540	531	526	521	522	520	516	563						205
MEANS FIVE DAYS † (G. M. T.)				505	507	509	510	513	513	520	556	604	646	678	679	659	625	595	572	557	541	512 531	511 526	510	508	505	501	557						
MEANS FIVE DAYS ‡ (G. M. T.)				452	459	448	450	468	469	461	483	533	562	611	660	640	591	519	451	437	427	429	463	450	450	449	445	492						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 159

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				506	506	514	517	521	525	530	543	586	629	670	660	657	625	573	557	549	534	522	518	515	510	505	497	553	0	12	18 689	24	00 491	198
2				493	502	504	511	511	515	522	553	609	630	663	651	639	615	582	570	557	544	536	525	523	518	514	508	554	0	10	33 674	0	13 490	184
3				511	516	514	512	518	523	523	554	586	629	644	650	629	608	584	575	554	537	521	523	527	522	522	523	554	0	11	27 667	0	15 507	160
4	✓			522	521	530	532	535	524	523	545	574	593	610	619	626	621	610	590	570	546	530	531	533	525	524	526	557	0	12	48 635	1	12 517	118
5				527	528	528	526	526	520	514	536	575	621	628	626	639	617	599	577	559	540	533	533	531	529	529	529	557	0	12	38 655	6	25 509	146
6				528	524	524	526	531	537	546	566	592	598	597	606	587	600	582	579	553	543	527	522	520	518	516	521	552	0	11	40 630	22	18 514	116
7				523	521	528	528	531	533	538	570	612	637	662	619	554	556	570	576	575	547	532	531	528	527	528	529	556	0	10	32 674	1	22 519	155
8	✓	✓		527	530	529	529	531	545	563	589	608	631	607	594	584	581	589	574	564	550	538	535	532	531	530	527	559	0	9	30 657	0	35 525	132
9	✓			521	521	525	527	530	534	545	573	616	637	628	609	555	569	562	568	559	545	541	537	537	532	527	523	555	0	9	10 646	1	08 518	128
10	✓	✓		526	528	530	532	536	547	571	605	649	688	683	660	621	586	558	555	546	545	540	535	532	529	530	531	569	0	9	27 697	0	00 524	173
11				531	532	535	535	535	542	562	606	653	689	678	667	648	595	582	579	558	526	510	504	508	521	527	531	569	0	10	02 704	19	54 496	208
12			✓	531	534	539	546	549	543	570	590	627	677	662	682	644	625	582	556	539	543	534	512	494	492	486	487	564	0	9	15 731	23	30 480	251
13			✓	498	491	492	480	493	499	519	499	525	529	588	606	567	543	529	495	485	499	506	496	506	488	481	476	512	1	10	50 633	16	04 461	172
14			✓	497	496	495	500	504	504	529	556	593	629	618	620	575	561	546	527	513	490	488	493	487	486	490	496	529	1	9	43 683	17	56 478	205
15				495	493	499	511	514	514	528	548	583	603	611	624	603	609	573	573	553	530	518	515	518	517	514	513	544	0	11	23 641	1	35 490	151
16	✓			515	515	515	515	515	520	531	555	594	635	648	666	662	637	600	565	551	546	538	533	528	527	525	522	561	0	11	58 677	3	19 513	164
17	✓			516	516	522	525	529	531	537	558	604	649	686	703	695	655	618	589	568	549	537	537	536	537	539	532	574	0	11	13 730	1	03 514	216
18	✓	✓		531	531	530	526	534	539	542	567	603	623	635	659	656	645	631	609	581	559	551	545	542	541	541	542	573	0	12	13 672	3	20 521	151
19				545	545	546	548	551	558	575	598	625	605	545	609	577	574	569	566	570	560	535	518	516	513	519	519	558	1	11	53 657	20	58 510	147
20				513	516	517	517	519	533	555	573	594	595	587	560	549	576	574	572	563	543	531	529	531	525	519	519	546	0	10	02 601	0	34 509	92
21				519	513	510	517	521	530	544	572	583	596	592	575	566	566	573	572	568	556	545	543	542	541	540	541	551	0	9	18 614	2	33 510	104
22	✓	✓		540	538	537	537	539	549	569	593	617	631	638	637	633	626	612	596	574	557	549	545	545	546	545	548	575	0	10	52 649	3	19 536	113
23	✓	✓		548	546	542	546	551	563	576	603	628	642	636	624	616	613	605	604	590	570	555	549	556	557	556	551	580	0	9	37 659	2	39 537	122
24				545	550	554	556	561	566	577	599	635	632	682	690	664	667	632	589	548	507	496	492	485	496	492	484	571	0	11	13 739	24	00 477	262
25			✓	486	495	504	508	512	515	525	542	552	591	562	605	589	598	614	582	491	445	465	485	489	503	496	495	527	1	11	21 649	17	45 440	209
26			✓	505	513	509	507	512	524	531	559	587	608	617	623	602	601	583	557	555	540	525	519	517	514	516	516	548	0	9	29 636	0	00 503	133
27				510	505	505	510	511	516	525	552	584	614	635	645	639	591	563	558	548	542	533	528	526	525	523	518	550	0	11	13 653	1	46 503	150
28				521	526	526	524	520	524	538	566	594	626	639	654	652	634	591	567	551	536	537	533	529	524	524	523	561	0	12	17 666	0	34 515	151
29	✓			524	527	525	522	523	528	520	530	569	613	633	631	624	616	595	572	555	544	539	536	530	526	528	528	556	0	11	01 646	6	26 516	130
30				531	529	526	522	523	525	532	551	589	620	636	672	675	652	621	591	563	539	535	533	533	531	533	531	566	0	11	15 686	4	02 519	167
31																																		
MEANS ALL DAYS				520	520	522	523	526	531	542	565	598	623	631	635	618	605	587	571	554	537	528	524	523	522	521	520	556						160
MEANS TEN DAYS ✲				527	527	528	529	532	538	548	572	606	634	640	640	627	615	598	582	566	551	542	538	537	535	534	533	566						145
MEANS FIVE DAYS † (G. M. T.)				534	535	534	534	538	549	564	591	621	643	640	635	622	610	599	588	571	556	541 547	539 542	538	537	536	535	571						
MEANS FIVE DAYS ‡ (G. M. T.)				503	506	508	508	514	517	535	549	577	607	609	627	595	586	571	543	517	503	504	498	496	500	496	495	536						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 160

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

DECEMBER 1939 — DECEMBER 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				521	541	546	546	538	540	547	555	595	634	670	647	629	612	595	580	573	559	543	538	539	541	540	538	569	0	10	54 714	0	39 515	199
2				540	537	537	544	547	545	538	543	565	601	622	638	654	628	612	561	537	533	537	535	535	532	529	531	562	0	12	22 677	16	53 526	151
3				535	540	542	545	546	549	546	559	586	619	644	642	630	622	607	590	575	538	534	515	504	513	518	516	563	0	11	32 664	20	03 501	163
4	✓			516	524	531	534	538	538	545	561	594	622	644	651	643	621	600	583	563	552	550	552	548	547	546	547	569	0	10	48 654	0	05 515	139
5				547	544	543	547	548	552	555	555	574	564	562	564	507	508	531	526	521	526	497	505	512	511	512	515	534	1	11	01 597	12	27 487	110
6			✓	521	531	534	535	539	548	554	576	598	611	613	607	612	588	590	561	471	430	450	491	468	462	460	446	533	1	12	53 629	17	31 422	207
7			✓	483	491	496	538	554	538	519	548	587	595	558	563	530	524	507	517	517	504	507	510	510	497	484	493	524	1	9	12 632	0	05 471	161
8			✓	495	503	496	508	518	523	534	519	548	578	552	589	557	544	526	534	535	525	516	517	512	511	511	516	528	1	9	32 643	0	13 486	157
9				510	510	512	518	523	523	534	557	574	585	615	592	626	572	567	558	544	534	528	528	528	524	521	524	546	0	12	16 651	0	32 506	145
10				527	523	522	525	523	527	537	547	592	610	636	618	622	606	584	557	529	526	532	529	524	530	529	522	553	0	9	59 663	17	05 519	144
11				521	524	524	531	530	531	531	571	610	641	679	675	632	610	581	564	550	538	540	536	531	533	533	530	564	0	10	10 694	0	02 518	176
12				528	527	527	533	532	532	523	540	585	663	685	723	668	597	583	566	548	521	524	522	525	526	522	526	564	0	11	55 739	17	25 515	224
13	✓			524	527	528	531	529	524	527	554	593	608	653	657	630	596	564	551	547	550	543	537	537	536	536	536	559	0	10	53 662	5	55 520	142
14	✓	✓		533	529	530	533	536	541	557	592	632	678	694	699	664	615	576	555	552	559	551	534	529	528	524	527	574	0	11	21 711	22	52 519	192
15				527	529	525	533	536	544	561	586	626	662	634	597	600	573	552	549	552	547	539	538	539	537	537	541	561	0	9	32 675	2	35 522	153
16				541	541	545	548	550	555	556	563	586	624	659	673	611	589	572	574	556	518	500	514	521	526	526	526	561	1	11	39 724	18	15 485	239
17	✓			526	529	527	530	532	532	535	545	565	592	614	627	635	636	612	584	563	543	536	533	529	527	535	539	559	0	12	52 647	0	32 524	123
18	✓	✓		541	540	537	539	537	539	542	551	577	607	626	630	620	602	590	582	573	558	548	546	543	541	539	538	564	0	11	09 634	2	42 535	99
19	✓	✓		537	541	542	541	539	545	553	574	603	636	651	649	638	624	606	586	573	558	553	552	551	550	550	551	575	0	10	48 657	0	14 535	122
20	✓	✓		551	551	552	553	553	555	557	577	598	631	659	658	650	637	603	604	587	562	556	559	559	550	541	543	581	0	10	37 675	21	55 534	141
21			✓	529	522	530	535	525	543	550	555	576	590	533	555	597	616	592	568	539	537	517	490	514	516	517	504	544	1	13	19 666	10	12 470	196
22			✓	519	519	518	521	522	526	528	564	561	612	619	583	597	600	594	560	538	529	528	531	527	523	517	525	548	1	10	41 651	0	04 510	141
23				525	528	525	525	526	522	541	568	596	639	656	663	638	611	602	597	574	546	531	526	530	528	518	521	564	0	11	32 684	22	39 514	170
24				522	519	525	525	526	531	533	527	560	606	598	597	613	599	567	539	527	530	526	526	523	517	523	527	545	0	12	00 621	7	21 515	106
25				528	529	529	527	527	528	528	543	559	579	584	596	598	580	572	566	544	534	528	532	532	532	531	532	547	0	12	22 609	5	03 526	83
26	✓			541	539	534	535	536	540	548	566	601	627	636	621	600	562	541	549	566	560	558	567	563	561	566	582	567	0	10	30 640	14	28 532	108
27				558	556	555	537	554	551	550	574	603	651	667	658	571	570	523	506	525	532	539	540	536	538	538	543	561	1	10	05 717	15	10 485	232
28				539	535	538	539	535	533	540	555	587	645	678	685	653	600	531	517	508	522	522	521	523	521	526	530	558	0	11	40 706	16	15 504	202
29				532	531	533	533	531	530	543	554	604	662	694	659	633	588	522	499	506	525	532	524	525	534	534	535	557	0	10	11 736	15	40 481	255
30	✓			532	535	538	539	537	532	539	565	604	668	714	715	685	626	584	551	538	535	538	539	537	535	535	539	573	0	11	15 736	0	44 527	209
31	✓	✓		539	536	535	534	533	528	529	553	606	666	709	720	689	627	566	524	525	538	543	544	543	532	526	525	570	0	11	21 725	15	38 516	209
MEANS ALL DAYS				529	530	531	534	535	537	541	558	589	623	637	637	620	596	573	557	544	534	531	530	529	528	527	528	557						164
MEANS TEN DAYS ✱				534	535	535	537	537	537	543	564	597	634	660	663	645	615	584	567	559	552	548	546	544	541	540	543	569						148
MEANS FIVE DAYS † (G. M. T.)				540	539	539	540	540	542	548	569	603	644	668	671	652	621	588	570	562	555	544 550	541 547	539	538	539	541	572						
MEANS FIVE DAYS ‡ (G. M. T.)				509	513	515	527	532	536	537	552	574	597	575	579	579	574	562	548	520	505	504	511	513	507	503	500	536						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 161

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1939 — JANUARY 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		159	159	161	163	164	164	169	177	177	171	160	161	164	165	162	155	152	158	160	165	165	164	162	161	163	0	8 08	178	16 18	150	28
2	✓			161	161	163	165	165	164	163	164	161	154	150	146	138	146	152	152	151	156	159	164	163	161	160	161	158	0	4 52	167	12 28	136	31
3	✓	✓		160	162	163	164	166	164	167	177	173	169	171	165	160	146	145	153	154	152	153	160	163	163	162	160	161	0	7 44	179	13 58	139	40
4	✓			160	160	163	164	166	164	162	162	157	163	163	155	142	143	159	160	161	158	157	163	163	162	160	159	159	0	4 38	167	12 48	135	32
5			✓	164	164	163	163	164	162	163	174	183	183	187	186	183	178	183	181	166	157	155	162	164	164	162	161	170	1	11 04	192	18 08	152	40
6				162	163	163	165	165	161	157	161	156	152	152	140	141	142	144	157	159	159	161	165	166	165	165	163	158	0	20 00	167	11 28	138	29
7				162	163	164	164	166	166	163	160	157	156	157	159	179	187	188	169	161	160	161	167	166	163	163	162	165	0	14 12	191	9 18	155	36
8				163	165	165	166	167	165	164	159	154	149	151	148	150	157	172	176	169	162	160	165	164	163	163	162	162	0	15 00	179	11 28	145	34
9			✓	163	164	165	167	170	165	158	159	156	153	153	157	164	170	179	183	180	163	160	167	167	165	165	163	165	1	16 11	185	10 48	152	33
10				164	165	167	167	168	168	163	169	169	162	153	149	147	156	179	185	179	168	162	167	168	168	165	165	166	0	15 15	191	12 02	146	45
11				163	163	164	167	168	167	167	161	158	151	145	134	130	147	153	157	160	155	156	164	164	163	162	162	158	0	4 40	170	11 58	129	41
12				164	164	165	167	168	168	172	172	148	135	134	130	128	130	133	138	146	151	155	160	162	162	162	163	153	0	7 08	179	12 38	127	52
13	✓			162	163	164	164	168	169	166	167	158	143	134	124	120	118	131	145	153	152	149	157	160	158	160	161	152	0	5 16	172	12 49	115	57
14				162	163	164	166	168	169	169	177	175	169	157	158	158	164	158	155	156	157	153	156	159	160	160	160	162	0	7 18	179	18 20	151	28
15				160	161	163	164	166	171	173	179	178	178	187	183	180	180	173	160	153	151	151	157	160	162	162	162	167	0	10 28	189	18 08	150	39
16				161	161	162	165	167	168	168	168	159	157	161	166	159	134	126	131	132	142	149	154	155	155	157	158	155	0	11 48	169	14 09	123	46
17			✓	158	158	161	163	166	166	163	172	188	196	201	189	181	167	144	144	148	157	156	162	162	163	162	159	166	0	10 08	204	14 48	142	62
18				159	162	164	165	166	166	162	158	156	154	156	150	137	133	139	152	158	154	157	163	165	164	164	163	157	0	5 18	167	13 38	132	35
19				163	163	163	166	166	163	159	159	152	141	137	131	132	137	141	141	151	152	155	160	159	159	159	158	153	0	4 18	167	11 28	130	37
20				159	159	161	163	163	164	165	172	175	164	154	152	156	154	157	162	160	156	156	162	163	163	163	161	161	0	8 12	177	11 25	149	28
21			✓	160	162	164	166	166	163	164	171	165	155	158	159	166	183	180	165	159	153	153	158	158	160	160	160	163	1	13 48	186	9 51	150	36
22			✓	160	161	161	164	166	165	162	168	164	158	157	166	183	180	181	165	160	158	158	161	161	161	162	161	164	1	12 41	187	10 03	154	33
23				162	162	164	165	167	169	169	170	168	165	164	158	158	164	176	175	167	158	155	160	160	160	160	158	164	0	15 12	177	18 18	154	23
24				157	158	161	163	165	165	161	163	161	157	149	145	146	139	141	155	156	156	153	161	162	162	162	161	157	0	4 38	166	13 18	137	29
25				160	161	162	163	167	168	166	167	163	153	144	145	151	156	153	144	154	160	156	160	159	160	160	160	158	0	5 37	170	10 24	142	28
26	✓	✓		160	161	162	163	165	165	164	171	173	173	169	168	162	165	168	164	161	160	158	163	164	164	163	161	164	0	8 00	174	18 08	157	17
27	✓	✓		161	162	164	166	168	171	173	175	169	161	163	157	158	165	171	164	158	159	158	162	163	163	162	161	164	0	7 08	176	12 18	156	20
28	✓			161	161	162	164	165	168	168	162	158	148	150	154	150	136	127	121	130	147	153	163	167	168	167	165	155	0	5 49	168	15 30	120	48
29	✓			163	165	167	168	171	174	179	194	200	183	173	168	157	149	146	147	150	151	156	162	163	163	162	161	166	0	8 21	203	14 25	144	59
30	✓	✓		161	162	165	166	169	169	163	161	155	151	154	162	166	165	162	163	159	155	158	164	166	166	166	165	162	0	5 41	170	9 38	148	22
31				165	165	167	169	171	175	179	188	185	176	181	183	174	166	162	153	146	150	153	160	164	164	165	165	168	0	7 38	192	16 28	145	47
MEANS ALL DAYS				161	162	163	165	167	167	166	169	166	161	159	156	155	156	158	157	156	156	156	162	163	163	162	161	161						37
MEANS TEN DAYS ✱				161	162	163	165	167	167	167	171	168	162	159	156	152	150	152	152	153	155	156	162	164	163	162	162	160						35
MEANS FIVE DAYS (G. M. T.) †				160	161	163	164	166	167	167	172	169	165	163	163	162	161	162	160	157	157	157 157	162 163	162	162	161	161	163						
MEANS FIVE DAYS (G. M. T.) ‡				161	162	163	165	166	164	162	169	171	169	171	171	175	176	173	168	163	158	156	160	161	161	161	160	165						

DE .GNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 162

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1939

FEBRUARY 1939

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	167	167	168	168	169	169	167	159	150	141	147	151	150	149	147	142	138	142	152	161	165	165	168	168	157	1	4	46	16	15	36
2				165	165	167	167	168	167	170	179	177	170	170	169	163	170	178	170	153	146	154	161	163	163	165	166	166	1	7	48	17	18	39
3				166	167	169	168	168	167	166	165	167	167	174	184	197	197	193	181	167	157	158	165	166	167	167	165	171	1	12	58	17	48	47
4				166	166	168	169	169	170	167	166	159	154	154	151	154	164	167	168	163	158	158	163	165	165	166	166	163	0	4	58	11	57	21
5				168	168	169	170	171	173	172	173	165	157	156	160	166	174	174	166	160	157	162	166	164	163	163	165	166	1	7	03	10	15	21
6			✓	165	163	165	168	168	170	170	176	172	161	151	140	139	152	154	164	163	159	162	162	164	164	165	168	162	1	7	24	12	08	45
7			✓	168	169	168	169	169	168	167	174	183	183	178	177	181	177	178	176	164	152	153	161	163	163	163	163	169	0	9	23	17	38	36
8	✓			165	166	166	166	167	167	168	176	177	176	177	164	153	152	157	161	162	158	158	165	164	163	163	164	165	0	10	09	13	55	30
9				164	166	167	168	169	169	169	184	188	181	172	166	162	155	158	161	161	161	159	164	166	164	163	164	167	0	8	08	13	21	38
10				165	166	165	166	168	169	168	171	169	169	163	158	152	155	150	149	149	152	156	162	163	160	162	164	161	1	7	31	16	02	27
11				164	165	166	168	169	172	172	173	169	163	156	147	140	140	140	140	142	148	153	160	163	164	165	165	158	0	7	48	13	22	35
12	✓	✓		165	165	167	168	169	171	175	188	193	186	175	175	178	177	171	165	161	160	162	167	168	168	167	167	171	0	8	13	16	43	36
13	✓	✓		167	166	167	168	168	169	164	161	157	156	149	146	146	157	161	157	153	152	157	164	165	164	165	165	160	0	5	50	11	28	26
14	✓			164	164	167	168	169	169	165	164	160	156	154	156	162	167	170	165	152	152	158	164	163	164	166	165	163	0	14	48	16	58	22
15				164	162	164	166	168	168	166	167	163	154	154	156	158	163	169	166	160	158	159	165	166	165	162	162	163	1	14	08	9	31	20
16				165	165	165	167	169	169	169	176	177	178	180	172	169	162	158	158	158	159	162	165	165	165	165	165	167	1	10	14	16	58	27
17				164	164	165	165	167	169	167	170	168	162	161	165	161	159	156	152	156	159	160	162	163	164	164	163	163	1	7	34	15	21	21
18				162	164	165	166	166	167	166	172	173	172	173	174	176	176	173	165	162	158	158	163	164	165	165	165	167	0	12	59	17	48	22
19				165	166	166	168	169	171	171	179	178	177	172	165	158	156	152	153	156	154	155	161	163	162	162	163	164	0	7	52	14	48	31
20	✓			165	165	166	169	170	170	169	174	173	172	165	158	157	159	159	164	166	166	162	165	165	166	165	164	166	0	7	48	12	10	21
21	✓	✓		166	167	169	171	173	174	176	184	183	179	173	168	166	165	164	162	161	158	158	163	164	166	165	164	168	0	8	02	17	58	29
22	✓	✓		165	168	170	172	173	173	168	169	166	169	168	166	161	156	152	149	155	158	162	164	164	165	168	166	164	0	5	02	15	14	27
23	✓			165	165	167	169	170	171	172	181	179	175	174	166	164	166	164	160	159	157	160	163	164	165	162	162	167	0	8	01	17	51	29
24			✓	160	162	164	167	168	168	164	167	176	176	175	175	173	173	160	148	144	150	153	156	158	168	168	168	164	2	12	10	16	38	55
25			✓	167	166	165	166	169	172	175	192	199	195	186	176	170	159	148	148	152	155	156	162	163	163	163	163	168	2	8	03	14	38	57
26	✓			163	164	166	167	168	170	174	181	178	177	172	154	139	136	140	139	145	151	155	160	162	162	163	163	160	0	7	50	13	18	49
27	✓	✓		163	163	165	167	170	172	168	167	162	160	157	154	151	149	146	145	142	145	154	161	162	163	163	162	159	0	5	25	16	38	33
28				162	164	165	166	167	168	165	165	164	156	150	145	147	144	139	128	130	140	152	160	162	161	161	163	155	0	5	31	16	00	43
29																																		
30																																		
31																																		
MEANS ALL DAYS				165	165	166	168	169	170	169	173	172	169	166	162	160	161	160	157	155	154	157	163	164	164	164	165	164						33
MEANS TEN DAYS ✻				165	165	167	168	170	171	170	174	173	171	166	161	158	158	158	157	156	156	159	164	164	165	165	164	164						30
MEANS FIVE DAYS † (G. M. T.)				165	166	168	169	171	172	170	174	172	170	164	162	160	161	159	156	154	155	158 159	163 164	164	165	165	165	164						
MEANS FIVE DAYS ‡ (G. M. T.)				165	165	166	168	169	169	169	174	176	171	167	164	163	162	157	156	152	152	155	161	163	165	165	166	164						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 163

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1939 — MARCH 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				160	161	164	165	169	168	167	165	162	167	163	165	180	175	172	164	162	159	160	165	163	161	161	166	165	1	12	46	184	17 51	157	27
2				168	167	166	169	171	170	168	166	164	166	167	167	168	170	164	160	159	156	158	161	164	164	165	166	165	1	13	26	172	17 40	155	17
3				166	164	166	167	169	170	167	166	164	164	164	160	161	160	156	148	147	152	155	160	161	164	161	162	161	1	5	34	171	15 48	145	26
4				165	166	170	171	169	168	168	169	171	170	168	166	165	172	162	156	155	154	159	161	164	167	165	166	165	1	13	28	175	17 04	151	24
5	✓			167	168	170	172	172	172	170	169	168	166	163	153	156	157	164	167	166	163	163	167	168	167	167	167	166	0	5	08	174	11 48	148	26
6				169	170	171	173	174	174	170	169	164	160	154	146	144	145	139	143	148	154	161	164	163	166	167	167	161	0	4	38	175	14 38	138	37
7	✓	✓		166	168	169	171	173	172	169	164	161	155	150	147	148	151	151	152	155	162	164	164	164	165	165	164	161	0	4	39	173	11 58	145	28
8				164	166	169	169	171	173	173	174	174	166	159	157	154	157	153	150	153	158	162	166	163	163	161	163	163	0	7	41	176	15 28	149	27
9				164	164	165	168	170	171	169	165	158	153	155	159	161	170	167	156	154	159	165	168	165	167	167	165	164	1	14	20	172	9 21	152	20
10	✓			164	167	170	171	171	171	171	174	178	175	179	175	167	166	163	157	156	160	164	167	168	167	167	167	168	1	10	24	180	16 18	155	25
11				167	167	168	170	171	173	176	182	178	170	157	146	150	151	149	147	149	156	163	166	167	167	167	165	163	1	7	39	184	11 25	144	40
12				166	167	168	170	171	171	174	181	184	181	178	181	174	167	162	156	154	155	160	167	167	168	167	167	169	1	8	29	185	16 30	153	32
13	✓	✓		168	168	168	170	172	172	172	172	163	158	158	156	158	154	149	147	152	159	165	167	168	168	168	168	163	0	6	54	173	15 08	147	26
14	✓			169	167	169	171	172	172	172	173	178	176	173	174	172	166	155	149	150	155	162	165	167	167	168	167	167	0	8	44	179	15 38	148	31
15				166	167	169	171	172	172	169	169	166	159	148	139	136	137	138	139	147	156	162	163	163	161	160	163	158	1	2	28	174	12 21	133	41
16				166	168	168	170	172	170	173	180	183	185	186	186	187	178	171	160	153	152	160	164	165	167	168	168	171	1	12	25	190	17 08	152	38
17				166	167	168	170	170	170	167	167	167	166	167	170	169	165	160	154	151	154	161	162	163	165	166	167	165	1	12	22	171	16 28	151	20
18	✓	✓		169	169	169	170	170	171	172	178	179	175	172	169	169	168	164	160	159	159	162	164	165	166	166	166	168	0	8	18	180	16 58	158	22
19	✓	✓		167	169	170	172	172	172	170	170	166	160	156	159	166	166	163	160	157	159	164	165	163	164	165	166	165	0	3	38	173	10 38	155	18
20	✓			167	168	170	170	171	171	170	167	162	157	152	154	158	158	156	154	154	158	162	163	163	165	165	164	162	0	4	58	173	10 28	152	21
21				166	166	168	169	171	175	174	184	184	174	162	159	160	152	157	155	154	162	166	168	167	166	165	164	166	1	7	50	186	13 54	148	38
22			✓	163	165	164	167	168	169	167	170	168	162	149	143	146	146	147	152	154	156	160	165	164	165	163	165	160	1	7	25	173	11 22	141	32
23				168	169	169	170	172	171	170	173	172	166	157	157	160	157	152	157	163	165	165	165	165	166	167	166	165	0	7	44	174	14 22	149	25
24	✓			169	170	170	171	171	169	171	170	165	157	153	153	150	146	142	143	149	156	160	163	165	164	165	165	161	0	2	47	172	14 48	142	30
25	✓	✓		166	168	168	171	171	170	167	165	162	157	157	157	161	165	166	167	166	167	167	166	166	167	165	165	165	0	4	08	172	10 18	157	15
26				168	169	169	172	173	170	170	170	167	159	153	153	153	154	162	163	167	169	167	167	166	164	164	166	165	0	3	58	174	13 00	151	23
27			✓	167	167	168	169	169	172	173	176	174	167	158	156	153	146	135	139	149	154	166	165	167	166	169	165	162	1	7	41	176	15 05	132	44
28			✓	166	165	168	171	172	172	174	183	184	170	160	156	157	161	157	155	154	159	165	163	162	164	168	167	166	2	8	08	188	16 30	153	35
29			✓	168	169	169	169	172	169	173	180	180	177	172	173	174	168	162	151	153	160	165	165	166	169	169	172	169	2	8	53	182	15 48	148	34
30			✓	172	172	172	173	173	173	173	172	169	166	161	157	157	158	153	151	157	160	165	166	166	167	169	171	166	1	5	13	175	15 36	149	26
31				172	172	173	173	173	173	169	168	169	166	165	169	169	165	169	165	164	164	165	165	166	167	168	169	168	1	5	05	176	17 07	162	14
MEANS ALL DAYS				167	167	169	170	171	171	171	172	170	166	162	160	161	160	157	154	155	158	163	165	165	166	166	166	165							28
MEANS TEN DAYS *				167	168	169	171	172	171	170	170	168	164	161	160	160	160	157	156	156	160	163	165	166	166	166	166	165							24
MEANS FIVE DAYS † (G. M. T.)				167	168	169	171	172	171	170	170	166	161	159	158	160	161	159	157	158	161	161 164	164 165	165	166	166	166	165							
MEANS FIVE DAYS ‡ (G. M. T.)				167	168	168	170	171	171	172	176	175	168	160	157	157	156	151	150	153	158	164	166	166	166	167	167	164							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 164

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

APRIL 1939 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) APRIL 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				167	168	170	171	169	170	168	166	163	154	148	143	145	141	139	145	150	156	161	164	164	164	166	166	159	1	3 38	172	14 20	137	35
2				166	167	168	170	171	171	170	167	163	160	163	162	171	176	178	177	167	164	165	166	167	167	167	166	168	1	14 58	181	9 15	160	21
3				168	170	171	173	171	170	169	163	151	145	137	141	149	146	144	144	152	161	163	164	167	168	166	165	159	0	3 13	175	10 40	135	40
4				167	170	171	171	170	170	170	168	167	160	154	152	157	155	153	159	169	173	169	165	166	165	166	166	165	1	17 18	174	10 58	150	24
5				167	168	169	170	170	169	170	170	162	157	151	147	147	146	151	157	162	163	163	163	165	165	164	165	162	0	3 28	171	13 12	144	27
6	✓	✓		165	167	169	169	169	170	170	169	165	155	146	144	145	150	153	151	156	162	162	163	164	164	165	165	161	0	6 04	171	11 01	144	27
7	✓	✓		165	166	161	169	170	170	170	170	166	159	148	142	143	144	148	155	161	163	164	164	166	167	166	166	161	0	7 08	172	11 28	141	31
8				167	168	170	171	171	171	175	178	177	173	172	170	170	173	181	170	169	168	168	168	167	169	168	169	171	1	14 35	183	15 49	165	18
9				169	170	170	172	169	173	174	173	170	163	155	149	149	147	152	155	157	161	162	162	163	165	165	165	163	1	6 28	175	12 49	145	30
10				167	167	170	171	172	173	173	169	166	164	160	160	158	156	153	157	158	159	161	165	166	166	166	166	164	1	5 58	174	14 02	152	22
11				165	167	168	168	171	170	171	176	171	167	168	176	178	169	169	166	164	163	165	167	168	167	164	167	169	1	12 13	180	17 38	161	19
12				167	168	170	171	171	172	170	169	167	164	160	160	160	161	164	163	162	164	167	166	167	168	167	168	166	1	4 02	172	10 48	158	14
13	✓	✓		168	170	171	171	171	172	168	160	153	148	142	139	138	138	137	141	145	155	163	164	164	165	164	165	157	0	4 10	173	14 28	136	37
14	✓			168	169	170	170	170	171	171	168	167	164	164	161	160	162	165	170	167	167	167	166	167	168	168	169	167	0	6 22	171	12 13	157	14
15	✓	✓		170	170	170	171	171	172	173	172	169	164	163	160	160	158	156	157	160	162	164	164	164	166	167	166	165	0	6 10	174	14 10	155	19
16	✓	✓		166	167	168	169	169	171	173	171	166	156	150	151	156	156	156	154	153	158	161	162	165	169	159	151	162	0	21 01	180	10 8	149	31
17			✓	161	167	161	168	167	174	177	185	185	169	155	169	169	160	153	144	143	160	167	167	167	167	167	167	165	2	8 13	192	16 12	135	57
18			✓	169	169	171	171	170	170	173	182	190	188	177	176	174	162	163	165	162	162	163	166	167	167	168	171	171	1	8 51	192	16 57	159	33
19				170	170	170	171	174	174	174	176	172	170	164	162	154	150	160	161	163	163	162	163	167	166	166	168	166	1	7 53	177	12 59	147	30
20				169	171	173	175	174	174	174	171	164	153	151	148	151	161	166	173	171	167	167	166	168	167	167	170	166	1	3 33	176	11 21	146	30
21				168	167	169	172	171	173	176	177	173	162	150	139	125	125	142	151	154	159	162	162	165	165	166	168	160	1	7 28	178	12 58	118	60
22				169	170	170	171	172	172	176	181	176	165	146	134	128	129	136	146	153	157	159	160	162	167	166	166	160	1	7 29	182	12 44	126	56
23			✓	167	166	167	173	174	177	188	194	192	176	161	169	160	149	148	152	152	158	161	163	166	166	166	166	167	2	7 40	195	14 15	145	50
24			✓	167	167	170	171	172	171	172	177	175	174	173	175	176	164	148	130	153	168	163	165	172	171	168	172	167	2	12 41	193	15 37	119	74
25			✓	174	174	175	172	174	175	182	187	189	183	178	170	162	151	141	144	152	160	163	167	167	167	167	168	168	2	8 12	190	14 46	139	51
26	✓			168	169	169	170	170	171	170	166	162	158	153	149	146	143	144	148	153	159	160	162	163	165	165	165	160	0	5 18	172	13 12	141	31
27				166	166	167	170	170	170	167	167	166	161	156	149	145	141	143	141	144	153	160	163	166	164	163	167	159	0	4 00	170	13 18	141	29
28	✓			168	167	167	169	170	170	169	165	156	150	149	147	149	148	144	141	141	154	160	162	166	166	165	164	159	0	5 48	171	15 58	140	31
29	✓			166	167	167	169	170	171	168	161	156	151	145	148	147	140	146	146	150	157	159	160	163	166	166	166	159	1	4 48	171	13 18	138	33
30	✓			166	166	167	167	170	170	166	162	159	159	161	164	169	176	177	176	169	165	165	165	165	166	166	166	167	0	14 16	179	9 46	157	22
31																																		
MEANS ALL DAYS				167	168	169	171	171	172	172	172	169	162	157	155	155	153	154	155	157	161	163	164	166	166	166	166	164						33
MEANS TEN DAYS ✱				167	168	168	169	170	171	170	166	162	156	152	150	151	152	153	154	156	160	162	163	165	166	165	164	162						28
MEANS FIVE DAYS † (G. M. T.)				167	168	168	170	170	171	171	168	164	156	150	147	148	149	150	152	155	160	165 163	164 163	165	166	166	167	161						
MEANS FIVE DAYS ‡ (G. M. T.)				168	169	169	171	171	173	178	185	186	178	169	172	168	157	151	147	152	162	163	163	166	168	165	164	167						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
☐ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 165

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	167	168	169	169	171	169	168	161	156	147	157	153	151	152	157	163	166	164	163	161	161	169	168	167	162	1	4 38	172	9 13	142	30
2			✓	167	172	169	168	173	175	185	185	184	173	165	160	156	153	157	157	158	159	159	160	160	160	161	162	166	2	6 36	188	13 08	152	36
3				164	166	166	167	168	171	176	175	166	153	144	141	143	147	141	142	148	156	158	159	160	161	159	161	158	1	6 48	178	14 38	138	40
4	✓			164	166	166	167	168	169	173	176	174	164	148	133	133	142	160	167	166	164	163	161	163	163	164	165	162	0	7 51	178	12 04	130	48
5				164	165	167	167	169	171	171	168	160	156	151	153	156	153	148	156	156	160	160	161	164	166	166	167	161	1	6 38	172	14 08	147	25
6			✓	166	169	169	169	169	169	174	173	166	172	156	140	136	142	139	137	145	158	159	159	162	159	161	165	159	1	7 22	178	12 41	132	46
7			✓	162	164	166	165	166	167	173	173	170	169	166	157	145	140	133	137	148	158	159	162	163	162	165	166	160	1	7 30	173	14 30	131	42
8			✓	166	166	163	163	166	169	173	174	170	162	160	151	151	152	151	148	152	162	160	163	164	167	167	165	162	1	7 02	177	15 34	147	30
9				167	167	169	169	169	172	173	177	174	170	168	167	166	166	162	159	159	162	163	165	167	168	167	167	167	1	7 58	178	15 58	158	20
10	✓			168	169	169	170	170	172	173	172	166	162	156	151	151	153	143	139	142	154	161	164	168	171	170	170	162	0	6 21	174	15 32	139	35
11	✓	✓		170	172	172	172	173	173	173	177	173	173	168	163	163	155	149	149	156	163	166	167	169	170	171	171	167	0	7 14	178	14 48	148	30
12	✓	✓		171	172	172	172	172	175	175	169	155	146	144	149	153	156	154	155	159	165	167	169	169	170	170	172	164	0	5 48	176	10 18	143	33
13	✓	✓		172	173	172	172	173	174	176	176	175	167	159	150	145	151	152	153	156	166	166	167	170	171	170	170	166	0	7 14	177	12 24	145	32
14	✓	✓		172	172	173	173	173	175	177	176	168	164	161	163	164	165	164	162	162	166	166	168	171	172	172	172	169	0	6 38	177	10 48	159	18
15	✓			172	172	173	175	173	175	176	164	145	139	141	143	145	141	147	147	148	160	165	167	170	169	168	167	160	0	6 02	178	9 21	137	41
16				166	170	172	170	172	172	174	171	161	155	155	161	162	161	164	163	162	166	167	167	168	170	171	171	166	1	4 43	176	9 58	153	23
17				173	173	173	172	173	175	174	167	154	144	145	145	155	158	164	165	164	167	168	167	168	171	169	171	165	0	5 48	176	9 32	143	33
18	✓			173	174	175	175	174	175	177	171	161	155	151	150	153	151	147	145	152	160	164	167	170	170	169	170	164	0	6 18	177	15 18	144	33
19				175	174	175	175	174	174	176	177	168	157	154	150	153	161	168	171	169	167	166	167	168	172	170	171	168	0	6 58	178	11 38	148	30
20				173	173	173	175	173	175	181	184	181	171	157	144	138	137	138	148	157	167	166	167	170	170	170	171	165	0	7 38	185	12 33	135	50
21				171	172	173	174	175	177	180	178	171	165	165	167	163	163	156	160	161	165	167	166	166	170	173	171	169	1	6 28	180	14 28	155	25
22				170	171	173	177	179	178	179	176	172	166	162	164	168	172	171	171	168	168	168	171	172	171	173	174	171	1	4 08	181	10 48	160	21
23				173	172	174	175	174	177	180	178	170	160	145	130	130	138	142	148	154	163	165	167	172	171	168	169	162	1	6 24	182	12 28	128	54
24				172	171	171	172	172	174	175	180	179	172	171	169	169	172	175	177	177	173	170	171	170	171	171	172	173	1	8 11	181	11 41	167	14
25				173	174	174	174	175	175	176	169	160	145	140	143	152	150	153	157	160	165	166	167	169	169	170	170	164	1	5 41	177	10 38	137	40
26				170	173	172	173	173	174	176	179	174	166	163	167	176	181	180	171	164	166	167	169	171	172	170	172	172	1	13 55	184	10 18	162	22
27				172	171	171	172	173	175	176	173	167	160	148	140	138	140	136	139	144	157	162	166	167	169	170	171	161	0	6 38	177	14 28	136	41
28				173	173	173	172	173	173	179	184	177	170	167	163	160	157	157	157	160	165	166	165	169	171	173	175	169	1	7 18	185	14 38	155	30
29				175	175	175	176	172	176	177	166	156	144	138	142	139	139	146	151	155	162	162	165	167	169	169	169	161	1	3 08	181	12 51	132	49
30	✓			170	171	171	171	171	173	173	165	156	149	149	146	148	148	153	156	159	162	162	164	166	167	168	168	162	0	6 17	174	11 31	146	28
31	✓	✓		169	169	170	172	170	172	175	172	164	154	151	150	149	152	154	152	158	162	162	165	167	169	170	169	163	0	6 34	176	12 08	148	28
MEANS ALL DAYS				170	171	171	171	172	173	176	174	167	160	155	152	152	153	154	155	158	163	164	165	167	168	168	169	164						33
MEANS TEN DAYS ✱				170	171	171	172	172	173	175	172	164	157	153	150	150	151	152	152	156	162	164	166	168	169	169	169	164						33
MEANS FIVE DAYS (G. M. T.) †				171	172	172	172	172	174	175	174	167	161	157	155	155	156	155	154	158	164	164 165	166 167	168	170	170	170	166						
MEANS FIVE DAYS (G. M. T.) ‡				166	168	167	167	169	170	175	173	169	165	161	152	148	148	147	148	154	160	160	162	163	164	165	166	162						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 166

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JUNE 1939 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JUNE 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				169	171	171	171	170	172	173	174	168	162	149	160	168	167	165	162	159	162	166	167	169	168	168	168	167	1	7 28	175	10 28	146	29
2				169	170	171	169	170	173	175	178	175	163	156	152	152	156	164	166	165	164	165	167	169	170	170	171	167	1	7 00	179	12 38	146	33
3				171	171	172	172	173	174	177	180	175	168	162	163	163	156	158	154	156	163	166	167	169	169	170	169	167	0	7 49	181	15 18	153	28
4				169	170	170	171	171	172	171	167	157	136	124	119	123	133	146	153	160	164	164	167	167	168	169	169	158	1	5 25	173	11 45	118	55
5				169	170	172	172	172	174	179	183	176	160	154	154	151	153	152	152	153	160	165	166	169	169	170	169	165	0	7 27	184	11 58	150	34
6	✓			169	170	171	172	172	173	173	171	165	157	146	144	145	147	154	151	154	161	166	168	169	169	169	169	163	0	6 48	174	11 43	143	31
7	✓	✓		169	169	170	171	171	172	172	169	160	154	153	151	148	154	158	156	156	163	164	166	168	169	169	169	163	0	6 28	173	12 34	146	27
8	✓	✓		166	170	170	170	171	172	173	169	160	152	150	152	151	149	150	153	153	158	163	165	166	166	167	167	162	0	6 28	174	10 18	148	26
9	✓	✓		167	168	169	169	170	169	170	170	172	174	174	173	170	161	154	155	156	159	161	163	166	168	168	167	166	0	9 48	175	14 28	153	22
10	✓			169	170	171	172	172	172	171	167	159	150	143	142	142	138	134	143	152	162	164	166	168	169	168	168	160	0	4 02	173	14 12	134	39
11	✓	✓		168	168	169	172	172	173	174	176	172	165	159	158	160	158	158	155	157	163	163	165	168	168	168	169	166	0	7 48	176	15 50	153	23
12	✓			170	171	171	171	172	173	171	168	161	155	144	144	139	139	137	140	148	159	164	165	168	167	167	168	160	0	6 14	173	12 48	136	37
13				169	171	171	170	170	170	170	170	162	190	152	155	156	148	141	146	154	163	165	168	165	171	173	174	164	1	23 10	177	14 38	140	37
14			✓	173	175	172	174	173	175	175	176	172	163	152	148	148	154	156	157	159	166	166	168	169	169	171	171	166	1	6 00	180	11 58	146	34
15	✓			171	172	172	171	169	171	175	176	169	160	155	154	148	148	148	147	151	161	164	166	169	169	169	169	164	0	7 08	178	14 51	145	33
16			✓	170	170	170	172	171	173	175	176	170	167	159	156	159	163	159	155	157	163	164	167	169	170	171	171	167	1	7 28	176	15 23	154	22
17	✓			171	171	171	171	171	172	173	171	166	157	153	157	160	159	153	146	153	161	164	166	166	166	169	170	164	0	6 58	173	15 18	144	29
18				171	170	171	171	171	172	172	167	157	153	144	143	138	133	135	150	154	161	163	165	168	168	171	171	160	1	6 13	174	13 58	127	47
19			✓	168	168	171	172	173	172	174	169	161	156	151	150	145	141	140	140	147	159	163	166	168	170	168	168	161	1	6 27	175	14 35	139	36
20				167	167	168	170	171	171	173	171	165	153	151	156	156	161	163	161	160	164	164	166	166	168	167	167	164	0	6 54	174	10 08	149	25
21				169	168	171	168	168	170	175	177	168	158	151	152	153	151	149	159	163	163	164	166	167	169	170	168	164	1	7 18	180	14 26	147	33
22				167	169	171	170	170	171	173	174	176	171	170	165	160	156	153	147	147	159	166	167	167	169	169	170	166	0	8 30	176	16 25	146	30
23				170	170	170	170	171	171	172	170	163	158	159	154	149	150	152	159	159	164	165	166	168	169	167	167	164	0	4 12	173	12 55	147	26
24				167	169	169	171	171	171	168	171	167	160	153	156	160	159	159	158	159	161	165	165	167	168	170	169	165	0	6 48	174	10 48	152	22
25	✓	✓		168	168	168	169	169	169	169	170	174	171	174	170	164	154	159	157	158	160	165	166	169	170	169	169	167	0	10 48	176	13 38	154	22
26				168	168	169	171	170	172	173	179	182	178	164	160	162	161	155	155	145	152	161	164	168	169	168	167	166	1	9 00	183	16 11	141	42
27			✓	167	169	168	172	172	173	175	173	170	169	166	160	162	164	160	158	161	164	167	168	169	171	171	170	167	0	6 13	176	14 55	158	18
28				170	169	170	171	172	172	174	177	178	165	154	155	152	145	140	143	144	157	165	168	167	168	169	164	163	1	8 08	179	13 58	137	42
29			✓	167	171	171	171	170	170	171	167	154	148	145	147	150	155	160	164	164	164	164	165	167	168	169	170	163	1	1 44	173	10 48	142	31
30				168	168	170	170	172	172	172	165	155	150	150	150	152	151	148	148	154	161	162	165	167	167	168	170	161	0	6 18	174	14 55	147	27
31																																		
MEANS ALL DAYS				169	170	170	171	171	172	173	172	167	161	154	153	153	152	152	153	155	161	164	166	168	169	169	169	164						31
MEANS TEN DAYS ✱				169	170	170	171	171	172	172	171	166	160	155	154	153	151	150	150	154	161	164	166	168	168	168	168	163						29
MEANS FIVE DAYS † (G. M. T.)				168	169	169	170	171	171	172	171	168	163	162	161	159	155	156	155	156	161	164 163	166 165	168	168	169	168	165						
MEANS FIVE DAYS ‡ (G. M. T.)				169	171	170	172	172	173	174	172	165	161	155	152	153	155	155	155	158	163	165	166	167	169	170	169	165						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 167

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				170	168	168	170	170	171	170	166	157	146	142	144	148	150	155	151	157	164	163	165	167	168	169	168	161	0	5 55	173	10 28	142	31
2				169	168	170	171	171	172	173	171	168	161	163	165	161	153	156	159	159	163	163	166	168	168	168	166	166	0	6 35	175	13 38	152	23
3			✓	169	169	169	168	168	169	170	173	175	167	165	167	165	162	161	154	159	162	165	168	169	169	171	172	167	1	7 45	181	15 31	152	29
4			✓	172	172	172	171	171	171	175	183	184	175	168	163	172	186	142	150	155	162	162	168	172	167	162	163	168	1	8 08	186	14 45	137	49
5			✓	166	162	164	166	169	176	184	189	189	179	168	156	146	142	150	151	149	158	163	166	169	169	169	167	165	2	8 01	193	14 10	136	57
6				169	168	169	171	173	173	176	185	179	170	169	165	162	158	152	149	152	159	162	165	166	168	168	166	166	0	7 40	186	15 21	148	38
7	✓	✓		166	168	169	169	169	169	168	166	165	165	166	165	161	152	145	149	155	163	165	166	168	169	169	169	164	0	3 18	170	14 21	145	25
8	✓			168	169	170	171	172	173	175	172	161	158	165	170	168	155	145	149	154	158	162	164	166	167	168	168	164	0	6 58	176	14 13	145	31
9	✓	✓		167	168	169	170	169	169	169	168	167	164	157	155	153	156	152	144	149	157	162	166	167	169	170	169	163	0	3 45	170	15 28	144	26
10	✓	✓		170	170	170	170	172	173	174	172	160	150	146	146	139	140	143	139	139	152	160	164	166	169	169	169	159	0	6 58	176	15 58	136	40
11				170	171	172	174	174	174	175	177	169	163	170	167	158	145	145	151	154	158	164	166	168	170	171	170	166	1	6 58	178	13 50	141	37
12				172	172	171	172	173	173	173	168	155	154	154	163	154	172	173	170	164	162	165	167	169	171	172	171	167	1	4 23	174	10 18	149	25
13	✓	✓		171	171	171	171	172	172	174	164	150	147	147	150	155	154	150	150	148	158	164	165	168	169	170	170	162	0	6 21	175	9 08	145	30
14				168	170	169	169	173	173	178	181	180	171	152	144	155	160	165	166	165	165	167	170	171	171	172	171	168	1	7 32	184	11 15	141	43
15				173	174	174	175	174	175	175	175	173	171	168	160	149	145	139	145	151	161	166	169	171	172	172	172	166	0	3 12	176	14 23	137	39
16				173	173	174	176	176	176	178	176	169	164	158	158	156	158	168	167	168	171	171	167	167	171	171	171	169	0	6 48	178	13 02	148	30
17				174	172	172	173	173	175	176	172	162	156	149	139	128	122	123	136	150	159	163	169	170	170	171	172	159	0	6 08	176	14 08	121	55
18				172	171	172	173	173	174	176	179	179	169	158	156	153	153	161	166	168	169	168	169	170	169	169	170	168	0	7 57	183	12 58	149	34
19				170	171	170	171	173	173	175	173	166	165	163	146	146	149	148	150	157	165	165	166	170	172	172	172	164	0	6 38	175	11 43	142	33
20			✓	172	166	171	173	173	173	179	190	189	193	180	159	150	150	149	150	154	163	166	167	169	169	169	167	168	1	9 48	199	12 30	147	52
21			✓	170	170	171	171	171	175	176	181	177	178	164	153	140	126	129	144	153	163	164	166	167	167	167	170	163	1	9 07	187	13 32	124	63
22				168	170	170	172	174	174	176	177	181	176	167	163	151	141	145	147	156	163	167	167	168	171	170	171	166	1	8 26	184	13 38	140	44
23				172	172	172	173	172	171	172	173	167	165	162	161	158	155	156	158	160	161	165	166	167	169	169	169	166	0	2 18	174	13 08	154	20
24	✓			169	169	170	171	171	172	172	171	169	166	164	164	162	155	154	157	161	166	166	168	169	169	169	169	166	0	6 08	173	14 28	153	20
25				169	166	170	172	173	175	175	172	167	160	158	154	152	148	152	159	162	163	165	166	168	170	170	170	165	0	5 15	175	13 52	146	29
26				169	167	171	173	170	174	180	176	170	160	151	144	148	149	150	155	160	165	167	169	170	170	170	168	164	1	6 53	180	11 14	141	39
27				169	171	171	171	172	174	175	170	164	158	148	145	143	145	153	157	155	159	165	168	170	171	170	171	163	0	6 05	177	12 58	143	34
28	✓			170	170	169	171	173	173	175	180	178	167	162	157	148	144	150	154	157	163	165	167	170	170	170	171	166	0	7 58	180	13 08	143	37
29	✓			172	172	174	174	175	175	174	168	158	149	150	157	161	165	162	160	158	162	166	168	168	169	169	170	166	0	4 28	176	9 52	148	28
30	✓	✓		170	172	172	173	170	175	173	163	152	146	148	151	152	155	159	161	163	167	168	169	170	172	172	173	164	0	6 18	178	9 23	146	32
31	✓			171	172	173	173	174	175	176	178	172	166	162	158	161	156	159	165	168	169	168	167	169	172	172	171	169	0	7 08	178	13 31	153	25
MEANS ALL DAYS				170	170	171	172	172	173	175	174	169	164	159	156	153	152	151	154	157	162	165	167	169	170	170	170	165						35
MEANS TEN DAYS ✱				169	170	171	171	172	173	173	170	163	158	157	157	156	153	152	153	155	162	165	166	168	170	170	170	164						29
MEANS FIVE DAYS (G. M. T.) †				169	170	170	171	170	172	172	167	159	154	153	153	152	151	150	149	151	159	163 164	166 166	167	169	169	169	162						
MEANS FIVE DAYS (G. M. T.) ‡				170	168	169	170	170	173	177	183	183	178	169	160	155	153	146	150	154	162	164	167	170	169	168	168	166						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 168

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				172	172	173	173	174	175	176	168	156	148	140	144	149	151	153	159	162	166	166	168	169	170	170	172	164	0	6 31	177	10 46	138	39
2	✓	✓		172	172	171	172	173	173	175	172	168	163	161	162	162	155	153	157	162	165	167	169	170	172	172	172	167	0	6 31	175	14 28	152	23
3	✓	✓		172	172	173	173	174	173	173	178	180	174	172	173	173	168	168	172	171	169	170	171	172	172	172	173	172	0	8 21	182	14 18	167	15
4	✓			173	173	174	174	175	176	177	177	173	167	161	162	159	156	155	158	160	165	170	172	174	174	174	174	169	0	6 18	178	14 08	153	25
5	✓	✓		175	175	175	176	177	177	178	178	180	177	180	184	178	159	158	155	154	162	168	169	171	172	172	173	172	0	11 34	185	16 18	153	32
6	✓	✓		173	174	174	175	176	176	176	179	177	172	168	169	162	141	138	141	153	163	167	168	171	172	173	174	167	0	7 48	179	14 08	137	42
7	✓	✓		173	174	174	175	175	175	175	177	167	156	158	162	161	155	152	153	157	164	168	170	171	172	172	173	167	0	7 18	178	14 11	152	26
8	✓			172	173	173	174	175	175	177	179	176	166	161	157	145	141	140	139	145	156	164	166	168	170	171	171	164	0	7 58	180	14 05	139	41
9	✓			171	171	172	172	174	174	175	175	177	173	168	167	160	144	140	147	155	160	166	164	165	166	166	167	165	0	8 28	178	14 08	139	39
10				168	168	169	170	171	175	174	178	176	170	164	161	155	151	155	161	163	163	161	162	164	168	168	168	166	0	8 16	178	13 21	148	30
11				168	168	169	169	169	169	171	175	173	167	158	147	145	141	141	144	152	154	161	164	169	165	162	164	161	1	20 42	185	14 05	137	48
12			✓	160	167	164	173	169	170	175	172	164	155	148	152	152	149	151	156	159	164	166	164	164	168	168	170	162	2	6 47	178	10 33	146	32
13			✓	169	170	172	170	173	173	176	173	166	157	143	139	146	155	155	156	156	158	162	163	165	166	167	167	162	1	6 28	177	11 03	136	41
14				168	168	168	170	170	170	169	167	164	158	156	152	145	141	146	149	152	158	162	164	165	166	168	167	161	0	4 28	171	13 18	140	31
15				168	168	169	169	170	171	173	175	168	160	154	140	134	137	143	149	152	159	163	164	165	166	166	165	160	0	7 12	175	12 34	130	45
16			✓	165	166	165	168	170	170	171	162	153	148	144	172	164	156	158	160	158	158	161	162	162	166	169	168	162	1	11 37	183	10 44	138	45
17				168	169	169	170	171	171	175	175	167	152	147	148	148	150	152	154	151	161	165	165	166	166	167	166	162	1	7 08	178	10 18	145	33
18	✓			166	167	168	168	170	172	173	175	172	161	148	132	121	118	118	130	142	151	159	161	162	163	163	164	155	0	7 40	175	14 10	116	59
19				166	167	168	169	171	172	172	168	158	136	125	128	135	133	145	150	156	161	163	165	166	168	167	168	157	1	6 08	172	10 59	122	50
20				168	166	167	168	169	169	169	169	167	163	162	162	158	158	168	175	172	165	165	165	166	167	168	168	166	0	15 58	176	12 40	156	20
21				169	169	168	170	171	173	169	159	148	142	146	148	150	150	150	148	150	155	161	164	160	154	147	164	158	0	6 08	173	9 18	141	32
22			✓	167	167	169	168	169	173	174	173	189	197	196	170	154	144	142	149	153	158	160	167	166	168	166	161	167	2	9 52	207	14 20	140	67
23			✓	167	168	164	168	171	174	183	194	187	181	179	170	160	154	148	146	146	150	161	161	163	164	164	164	166	2	7 24	197	16 08	144	53
24				166	166	168	168	169	171	169	164	155	152	142	138	139	144	151	151	151	155	161	161	164	165	165	164	158	0	5 51	173	11 50	137	36
25				166	165	166	167	168	170	170	164	158	154	152	148	144	145	154	158	157	157	161	161	162	164	164	165	160	0	6 06	172	12 44	144	28
26				165	167	167	167	168	171	171	164	161	155	149	152	153	155	166	166	164	162	162	162	164	165	167	167	163	0	6 01	174	10 38	148	26
27				168	168	168	170	170	173	175	173	169	163	160	153	145	138	143	150	157	158	161	162	165	165	166	168	162	0	6 38	176	13 09	137	39
28				168	170	171	171	171	174	174	173	168	161	154	147	144	143	153	158	153	158	162	163	165	166	167	168	163	0	6 50	174	12 54	141	33
29				168	169	171	172	172	174	178	185	189	185	172	158	149	153	159	165	164	159	164	164	165	165	166	167	168	0	8 41	190	12 18	148	42
30				168	170	171	172	174	175	174	174	175	175	168	167	161	161	163	164	165	164	165	165	167	168	169	170	169	1	9 22	177	12 38	160	17
31	✓			171	172	172	173	174	175	172	163	159	156	144	137	135	139	139	144	149	156	161	163	165	168	169	169	159	0	5 28	175	12 08	134	41
MEANS ALL DAYS				169	169	170	171	172	173	174	173	169	163	157	155	151	148	150	154	156	160	164	165	166	167	167	168	164						36
MEANS TEN DAYS ✱				172	172	173	173	174	175	175	175	173	166	162	160	156	148	146	150	155	161	166	167	169	170	170	171	166						34
MEANS FIVE DAYS † (G. M. T.)				173	173	173	174	175	175	175	177	174	168	168	170	167	156	154	156	159	165	168 / 168	169 / 169	171	172	172	173	169						
MEANS FIVE DAYS ‡ (G. M. T.)				166	168	167	169	170	172	176	175	172	168	162	161	155	152	151	153	154	158	162	165	165	164	162	165	164						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ] = INTERPOLATED
[ ) = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 169

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1939

SEPTEMBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		169	171	172	172	173	174	177	181	181	175	170	162	161	161	157	159	166	168	167	167	168	169	169	170	169	0	7	22	182	14 30	156	26
2				173	172	173	173	173	174	174	169	160	154	154	144	145	160	164	162	165	168	168	162	162	155	155	159	163	1	6	28	175	12 00	141	34
3			✓	166	167	168	172	174	174	178	181	163	153	153	148	142	137	143	145	150	158	162	163	162	163	165	169	161	1	7	01	183	13 35	135	48
4				170	168	169	170	171	171	174	180	176	170	168	163	157	158	159	159	160	161	163	164	164	165	166	168	166	0	7	38	180	12 21	156	24
5	✓	✓		168	168	169	170	171	171	173	167	157	147	147	149	143	137	143	144	148	156	161	163	166	166	166	167	159	0	6	10	173	13 13	137	36
6				168	168	168	169	170	172	171	168	164	156	151	148	137	124	122	122	135	150	156	158	161	161	164	163	155	0	5	51	173	15 22	117	56
7				165	165	167	168	170	171	176	184	187	181	163	154	153	151	147	144	145	154	160	161	161	162	164	163	163	0	8	28	188	15 58	141	47
8	✓			163	166	167	168	169	171	173	176	173	165	152	149	151	152	141	143	146	155	160	162	162	165	166	165	161	0	7	29	177	14 38	139	38
9			✓	165	168	166	170	172	175	176	176	169	162	154	158	162	166	155	149	151	158	163	164	164	165	164	166	164	1	7	09	178	15 50	148	30
10				169	170	171	171	171	172	167	159	156	157	165	167	173	161	146	141	143	152	160	162	164	165	166	166	162	1	12	18	175	15 48	140	35
11				166	167	169	170	171	171	169	165	156	150	144	147	155	157	155	154	153	156	159	161	162	165	165	167	161	0	5	00	171	10 43	141	30
12				169	169	169	172	172	172	176	176	177	173	167	170	172	167	166	166	161	164	165	163	166	167	167	167	169	0	8	28	177	16 43	160	17
13	✓			170	172	172	172	173	174	174	172	165	160	164	172	172	174	181	178	171	164	164	168	168	168	166	168	170	0	14	40	182	9 35	159	23
14				171	172	172	173	175	175	177	176	172	163	157	156	153	149	148	148	151	158	166	166	166	169	168	168	165	0	6	12	178	15 23	146	32
15	✓			169	170	172	173	173	175	179	183	178	164	162	158	157	152	149	149	153	157	163	166	167	167	166	166	165	0	7	28	184	14 58	147	37
16	✓			170	171	171	173	174	174	175	173	165	152	145	151	153	152	147	145	151	158	165	166	165	163	163	163	162	0	6	22	176	10 41	144	32
17			✓	168	165	169	170	171	172	175	174	177	175	158	148	137	128	123	130	144	158	166	167	166	167	168	168	160	1	9	05	184	14 30	119	65
18				168	168	168	168	170	172	183	191	191	182	172	164	152	146	145	145	151	156	161	162	162	163	164	163	165	0	7	56	193	14 55	145	48
19			✓	164	163	168	169	169	174	181	186	183	166	153	153	145	132	132	129	136	150	158	162	161	160	164	161	159	1	7	28	188	15 08	128	60
20			✓	164	167	168	168	170	171	178	188	193	186	177	168	155	149	142	138	143	153	159	161	162	162	161	162	164	1	8	29	195	15 28	138	57
21				162	164	167	169	168	170	173	175	172	162	152	150	152	147	137	136	146	156	160	162	162	164	163	166	160	0	7	53	176	15 14	135	41
22				168	169	169	169	170	169	169	168	164	155	144	148	150	143	141	141	143	152	160	164	166	166	165	166	159	0	4	08	171	14 08	140	31
23	✓			168	168	169	170	170	172	174	177	175	172	175	177	178	173	165	159	155	156	160	162	163	165	164	165	168	0	12	08	179	16 48	154	25
24	✓	✓		168	169	169	171	172	172	171	173	172	172	176	182	186	182	172	164	163	160	163	166	167	168	166	166	170	0	11	58	187	17 28	160	27
25				166	167	170	172	173	175	169	159	148	134	126	126	134	146	147	138	142	152	161	163	165	162	160	168	155	1	5	42	175	11 03	122	53
26				172	173	173	175	177	177	179	179	172	163	155	152	149	142	143	145	148	156	163	165	167	167	167	167	164	1	6	51	181	13 48	139	42
27				169	170	170	171	173	173	173	169	159	149	143	139	137	136	130	131	141	154	159	162	163	164	166	166	157	0	5	18	174	15 13	128	46
28	✓	✓		167	169	170	171	172	174	174	174	171	159	151	149	136	127	139	147	149	153	159	163	163	165	165	166	160	0	7	44	174	13 18	126	48
29	✓	✓		167	167	170	172	173	174	176	177	177	176	170	167	155	137	138	143	147	150	159	163	164	165	165	166	163	0	8	38	178	13 40	135	43
30				167	169	170	171	173	175	180	186	181	172	166	150	135	135	135	143	151	159	161	163	164	165	166	166	163	0	7	34	187	14 08	132	55
31																																			
MEANS ALL DAYS				168	168	169	171	172	173	175	175	171	163	158	156	153	149	147	147	150	157	162	163	164	165	165	166	163							40
MEANS TEN DAYS *				168	169	170	171	172	173	175	175	171	164	161	162	159	155	153	153	155	158	162	165	165	166	166	166	165							34
MEANS FIVE DAYS † (G. M. T.)				168	169	170	171	172	173	174	174	172	166	163	162	156	149	150	151	155	157	160 162	163 164	164	165	166	167	164							
MEANS FIVE DAYS ‡ (G. M. T.)				165	166	168	170	171	173	178	181	177	168	159	155	148	142	139	138	145	155	162	163	162	161	162	162	161							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 170

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

OCTOBER 1939 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) OCTOBER 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				170	170	171	172	173	176	186	191	185	173	167	157	146	135	135	134	140	149	160	165	166	166	165	167	163	1	7	25	193	15 35	132	61
2	✓			167	168	171	173	174	174	170	160	145	130	124	123	124	126	125	139	151	161	164	165	165	166	163	163	154	0	5	08	175	12 18	122	53
3			✓	164	166	167	168	172	171	181	186	176	183	177	163	151	143	129	134	142	148	160	159	156	158	156	163	161	1	7	50	193	14 24	126	67
4			✓	168	168	169	170	172	173	180	186	186	183	186	180	167	163	158	154	151	154	162	164	166	166	166	167	169	1	8	03	189	16 34	150	39
5				168	168	169	171	173	178	179	177	166	158	156	148	134	128	122	128	136	149	160	162	162	163	162	161	157	1	6	55	182	14 40	121	61
6				165	166	166	169	170	171	175	175	169	165	162	162	160	162	158	156	160	163	164	166	166	167	167	168	166	1	6	50	176	15 18	155	21
7				167	166	168	169	169	172	171	166	159	152	148	142	142	136	139	137	146	155	162	166	164	165	167	168	158	0	5	34	173	15 25	135	38
8				169	169	170	171	172	173	173	170	161	152	148	139	138	134	136	141	147	156	160	162	162	165	164	165	158	0	5	48	174	13 52	129	45
9				167	169	173	169	171	172	168	161	158	158	153	153	151	141	139	143	147	150	157	160	162	162	164	165	159	1	2	34	179	14 41	138	41
10	✓			166	167	167	167	168	168	167	162	158	160	163	163	159	157	157	155	157	157	160	164	164	165	166	163	162	0	5	41	169	15 28	153	16
11				163	165	166	167	169	170	170	166	155	153	153	151	148	153	155	155	154	153	157	162	163	161	160	161	160	0	5	28	170	12 22	147	23
12	✓	✓		162	166	166	166	167	166	165	164	159	159	162	162	160	159	158	153	152	157	160	162	161	163	157	158	161	0	21	10	173	15 53	150	23
13			✓	152	155	153	159	168	165	164	166	158	152	152	146	132	127	141	139	148	152	157	165	162	162	164	162	154	2	4	30	171	13 17	122	49
14			✓	161	166	161	169	168	171	170	170	168	161	150	136	133	140	143	144	146	151	157	158	155	154	151	153	156	2	6	20	175	12 08	131	44
15			✓	156	155	159	162	165	166	169	172	167	161	160	163	154	148	144	141	143	149	155	160	159	159	159	159	158	1	7	37	174	15 28	140	34
16				160	162	163	164	167	169	169	164	155	147	141	140	138	136	134	132	137	147	153	158	158	156	156	157	153	1	5	38	171	15 12	130	41
17				158	158	159	162	164	168	170	169	163	153	149	143	130	114	116	125	137	148	155	158	155	155	155	155	151	1	7	18	171	13 38	105	66
18				157	159	161	164	165	169	175	176	164	156	144	137	127	127	127	121	128	142	152	156	157	157	156	155	151	1	6	56	177	15 27	120	57
19				155	157	161	161	167	167	167	164	155	152	147	143	133	132	128	125	129	143	151	155	157	157	158	156	151	0	4	28	169	15 18	124	45
20	✓	✓		159	160	163	165	166	165	162	158	151	149	149	146	146	145	142	134	134	145	155	160	160	161	161	160	154	0	4	31	167	16 09	131	36
21				161	163	163	165	165	166	169	171	165	169	169	163	157	147	145	140	140	144	151	159	160	159	159	162	159	0	7	08	173	15 58	138	35
22				163	164	163	165	168	168	164	156	149	146	153	158	155	157	156	151	149	155	161	162	162	161	161	160	159	0	5	26	170	9 14	145	25
23				162	167	167	168	168	167	164	160	151	153	157	156	159	157	148	139	139	147	157	164	167	169	167	165	159	0	21	40	169	15 33	137	32
24	✓			162	168	170	171	172	173	173	173	165	166	165	166	156	147	141	139	145	155	160	164	164	165	165	165	162	0	7	08	174	15 25	137	37
25	✓	✓		164	167	168	169	172	173	173	171	164	161	155	148	150	152	152	149	151	156	162	166	166	165	165	164	162	0	7	03	174	11 38	147	27
26	✓			164	167	168	171	172	173	175	172	164	160	157	152	150	152	140	136	141	152	161	164	164	163	162	162	160	0	6	28	175	15 02	135	40
27	✓	✓		164	168	168	169	171	173	173	169	161	152	148	145	142	146	146	144	146	155	161	164	164	164	163	163	159	0	5	28	174	12 31	138	36
28				162	165	167	167	170	171	166	168	163	153	144	144	140	139	132	132	140	149	158	164	163	161	161	164	156	0	7	38	173	15 03	127	46
29				165	165	166	170	170	170	171	171	169	169	170	167	167	159	151	148	151	152	157	161	161	161	163	163	163	0	7	08	172	15 18	147	25
30	✓			162	165	165	167	170	170	169	170	168	166	162	158	150	142	138	139	147	151	156	160	161	161	160	161	159	0	5	22	170	14 47	137	33
31	✓	✓		163	164	167	167	168	168	169	169	166	163	154	150	140	129	124	130	142	151	160	163	161	160	160	161	156	0	6	53	172	14 08	123	49
MEANS ALL DAYS				163	165	166	167	169	170	171	169	163	159	156	152	146	143	141	140	144	151	158	162	162	162	161	162	158							40
MEANS TEN DAYS ✱				163	166	167	168	170	170	170	167	160	157	154	151	148	146	142	142	147	154	160	163	163	163	162	162	159							35
MEANS FIVE DAYS † (G. M. T.)				162	165	166	167	169	169	168	166	160	157	154	150	148	146	144	142	145	153	157 160	161 163	162	161	161	161	158							
MEANS FIVE DAYS ‡ (G. M. T.)				160	162	162	166	169	169	173	176	171	168	165	158	147	144	143	142	146	151	158	162	160	161	158	160	160							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 171

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1939

NOVEMBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				163	163	165	168	170	168	167	172	172	169	158	148	146	150	151	147	148	157	162	164	163	162	161	162	161	0	7	45	173	12 28	144	29
2				164	166	166	170	171	172	171	171	163	157	148	140	139	141	142	144	149	156	161	164	164	164	163	164	159	0	5	18	173	12 18	137	36
3				165	165	166	168	172	173	171	170	170	171	170	168	166	165	160	147	147	152	161	167	168	167	166	167	165	0	5	21	174	16 08	146	28
4	✓			164	166	167	168	169	168	163	164	168	171	168	173	175	165	148	139	141	153	162	168	167	167	167	168	164	0	12	20	176	15 58	137	39
5				166	167	168	169	171	172	165	162	158	157	160	165	167	162	152	146	145	156	162	167	167	168	167	167	163	0	5	18	173	16 05	143	30
6				167	167	166	167	168	167	162	159	154	155	156	158	156	147	141	144	150	156	161	164	164	164	163	162	159	0	5	08	170	14 38	140	30
7				162	165	165	166	166	164	159	157	158	160	162	163	169	167	161	152	152	157	161	165	165	165	166	165	162	0	12	38	169	15 58	150	19
8	✓	✓		164	164	165	166	166	164	162	159	159	164	170	173	172	167	159	149	153	156	159	163	164	164	164	163	163	0	11	08	174	15 33	147	27
9	✓			163	164	165	167	167	166	165	168	171	171	176	182	182	172	167	155	153	157	162	165	165	164	164	163	166	0	12	25	184	15 58	152	32
10	✓	✓		163	163	163	165	166	164	157	155	155	156	161	162	161	163	162	154	155	158	161	163	162	162	162	162	161	0	4	38	167	15 43	153	14
11				161	161	162	164	165	164	161	161	162	157	159	164	165	161	156	149	144	151	155	159	161	161	161	161	159	0	12	10	166	16 34	143	23
12			✓	160	161	161	162	162	160	158	159	156	145	145	137	124	123	130	137	144	151	156	156	154	154	152	152	150	0	3	58	162	13 07	120	42
13			✓	155	153	153	155	161	157	170	178	174	176	173	164	158	150	142	134	145	152	157	158	160	157	158	156	158	1	7	18	180	15 40	132	48
14			✓	156	156	160	161	161	161	160	163	169	169	163	161	156	156	150	147	146	148	151	157	157	157	157	156	157	1	8	48	171	15 52	145	26
15				156	156	158	161	163	162	165	166	169	167	167	165	156	154	152	147	146	147	151	155	156	156	156	156	158	0	8	28	170	16 48	145	25
16	✓			156	156	158	161	162	161	158	161	158	150	142	142	135	126	117	121	131	141	147	153	153	155	154	153	148	0	5	10	162	14 34	116	46
17	✓			153	153	156	157	161	161	162	168	168	161	155	148	140	136	132	132	134	142	150	157	156	156	156	155	152	0	8	28	170	14 52	129	41
18	✓	✓		156	157	157	160	162	161	161	161	159	157	161	160	148	147	141	138	139	146	150	154	155	155	155	156	154	0	5	01	164	15 55	137	27
19				156	156	157	160	160	160	160	160	162	167	190	182	169	165	161	152	145	148	153	155	158	158	158	158	160	1	10	48	193	16 38	144	49
20				156	157	160	160	160	159	157	164	169	170	169	172	172	165	150	138	138	146	154	158	159	158	159	158	159	0	12	10	174	15 38	136	38
21				157	157	159	160	161	159	159	165	168	174	175	176	170	155	145	142	144	149	154	160	162	162	162	161	160	0	11	05	177	15 28	140	37
22	✓	✓		160	159	160	160	161	160	155	150	145	145	150	154	145	141	140	141	142	147	154	159	159	159	160	160	153	0	5	12	162	13 55	139	23
23	✓	✓		159	159	159	161	162	157	155	157	162	164	168	177	171	162	155	149	145	149	154	161	163	163	160	159	160	0	11	34	178	16 29	144	34
24				157	158	159	160	161	159	158	160	160	155	150	143	139	140	137	136	138	145	151	157	156	158	158	156	152	0	4	23	162	14 48	134	28
25			✓	156	159	160	162	163	163	164	166	164	154	154	149	140	132	130	127	128	140	151	154	154	155	154	154	151	1	8	20	168	15 48	126	42
26			✓	154	155	157	160	162	160	167	173	177	176	175	171	159	149	144	146	150	155	155	159	160	159	159	159	160	0	8	40	178	14 28	143	35
27				158	159	161	163	165	165	166	170	173	173	169	167	151	142	141	140	144	149	153	160	160	160	160	159	159	0	8	18	174	15 12	139	35
28				159	161	163	163	164	164	164	170	173	171	165	164	151	146	137	136	137	146	153	159	159	159	160	160	158	0	8	58	174	15 58	133	41
29	✓			160	160	161	164	164	164	164	168	168	164	157	150	136	137	142	145	145	150	155	159	158	158	159	159	156	0	7	44	169	12 37	133	36
30				160	160	160	161	164	163	163	166	161	158	160	158	143	138	139	142	145	146	153	157	155	154	154	155	155	0	7	51	168	12 58	136	32
31																																		
MEANS ALL DAYS				160	160	161	163	164	163	162	164	164	163	163	161	155	151	146	143	144	150	156	160	160	160	160	160	158							33
MEANS TEN DAYS *				160	160	161	163	164	163	160	161	161	160	161	162	156	152	146	142	144	150	155	160	160	160	160	160	158							32
MEANS FIVE DAYS † (G. M. T.)				160	160	161	162	163	161	158	156	156	157	162	165	159	156	151	146	147	151	156 156	161 160	161	161	162	161	158							
MEANS FIVE DAYS ‡ (G. M. T.)				156	157	158	160	162	160	164	168	168	164	162	156	147	142	139	138	143	149	154	157	157	157	157	156	155							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 172

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

DECEMBER 1939 — DECEMBER 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				154	157	158	159	159	159	163	173	171	161	151	154	148	144	143	144	145	150	154	159	159	159	158	158	156	0	7	31	174	14	51	140	34
2				158	159	159	160	163	160	163	174	177	168	163	159	149	144	136	135	144	150	157	160	160	159	159	160	157	0	7	58	178	15	02	133	45
3				161	161	159	160	163	160	160	164	167	159	150	142	138	133	134	136	140	149	155	155	157	159	159	157	153	0	8	08	168	13	32	132	36
4	✓			156	156	159	159	160	159	159	163	164	162	156	150	139	136	137	140	145	153	157	162	161	161	162	160	155	0	8	32	166	13	28	134	32
5				160	159	159	160	161	162	163	169	167	164	170	164	159	155	143	132	132	143	151	159	159	159	158	159	157	1	10	33	173	15	58	129	44
6			✓	159	157	157	158	159	155	156	161	165	168	166	163	152	150	150	144	142	148	160	161	155	152	151	152	156	1	9	41	169	15	58	138	31
7			✓	151	152	155	156	157	156	164	169	174	169	172	169	161	151	150	145	147	150	157	160	157	155	154	155	158	1	10	49	179	15	28	144	35
8			✓	154	152	155	159	161	161	160	165	167	166	164	164	156	151	143	141	142	148	155	156	157	156	157	156	156	1	9	18	170	15	48	138	32
9				157	157	159	161	163	162	157	164	168	174	174	174	165	161	159	151	149	151	155	157	157	156	157	158	160	0	9	58	177	16	08	147	30
10				159	159	160	162	162	162	159	164	169	167	165	163	156	147	145	150	153	155	155	157	157	159	159	157	158	0	8	28	171	14	41	144	27
11				157	159	160	162	163	163	164	164	157	151	149	143	143	145	147	148	147	149	152	155	155	156	156	156	154	0	6	45	165	11	53	140	25
12				157	159	160	161	164	164	166	169	165	155	146	138	128	130	138	139	140	144	150	156	156	156	156	156	152	0	7	12	171	12	34	123	48
13	✓			156	156	158	161	162	162	163	166	165	161	156	148	143	150	153	147	146	147	151	156	157	157	157	156	156	0	7	23	168	12	38	142	26
14	✓	✓		156	157	157	159	160	160	157	157	154	146	142	130	118	127	135	143	149	155	158	160	160	159	158	158	151	0	4	28	160	12	28	116	44
15				157	158	158	160	161	160	160	164	163	156	152	152	149	144	150	155	151	149	153	159	160	160	159	158	156	0	7	55	166	13	08	142	24
16				156	158	157	158	158	156	155	158	159	158	157	151	142	152	158	153	148	151	154	158	159	158	158	158	155	1	14	48	161	12	12	137	24
17	✓			157	157	157	158	161	161	161	166	172	171	169	167	160	150	147	143	143	144	154	159	159	158	160	160	158	0	8	25	173	16	58	142	31
18	✓	✓		160	160	160	160	160	159	160	165	169	167	165	160	157	155	152	151	152	153	156	160	161	160	160	160	159	0	8	50	170	15	08	150	20
19	✓	✓		160	161	161	162	163	163	165	167	169	171	169	156	151	151	142	132	136	147	155	160	160	160	160	160	158	0	9	48	173	15	48	130	43
20	✓	✓		160	160	160	161	161	162	165	171	169	156	144	139	145	149	152	150	150	156	159	160	160	159	158	157	157	0	7	55	174	11	12	137	37
21			✓	156	155	156	159	160	165	165	165	159	155	170	168	159	151	146	137	142	150	153	155	159	157	155	155	156	1	10	18	174	15	32	135	39
22			✓	157	157	158	159	160	163	167	166	165	161	170	175	167	156	150	146	146	151	155	157	157	158	156	157	159	1	11	36	180	15	52	143	37
23				157	159	159	160	160	162	163	161	157	153	155	156	154	154	151	145	139	143	150	155	156	156	156	157	155	0	6	38	164	16	38	138	26
24				158	158	160	161	163	162	163	171	171	168	171	179	178	169	160	156	155	155	156	159	159	159	159	160	163	0	11	30	181	17	28	154	27
25				161	161	161	162	163	162	163	167	170	170	174	178	176	177	173	160	154	154	155	159	158	158	159	158	164	0	11	28	179	16	38	152	27
26	✓			159	160	160	161	162	161	159	160	160	158	161	161	165	174	174	165	156	155	156	160	158	159	160	159	161	0	14	09	178	16	58	153	25
27				156	158	159	160	163	165	165	165	165	158	160	158	159	157	158	158	152	153	156	159	159	159	160	160	159	1	6	52	167	16	14	151	16
28				160	159	160	161	163	163	161	165	163	160	161	160	156	156	161	161	161	157	156	160	160	160	161	161	160	0	7	36	167	13	39	154	13
29				161	161	162	163	165	162	160	160	151	144	141	146	146	143	157	169	170	161	160	160	161	161	161	158	0	16	00	175	13	23	139	36
30	✓			162	162	162	164	164	165	165	165	160	154	150	149	150	148	151	159	156	155	156	159	159	159	159	159	158	0	5	28	167	13	48	146	21
31	✓	✓		160	162	161	162	163	164	165	165	161	153	145	139	132	139	146	155	161	160	159	160	160	160	160	160	156	0	7	14	167	12	42	132	35
MEANS ALL DAYS				158	158	159	160	162	161	162	165	165	161	159	157	152	150	150	148	148	151	155	158	158	158	158	158	157								31
MEANS TEN DAYS ✱				159	159	160	161	162	162	162	164	164	160	156	150	146	148	149	148	149	152	156	160	160	159	159	159	157								31
MEANS FIVE DAYS † (G. M. T.)				159	160	160	161	161	162	162	165	164	159	153	145	141	144	145	146	150	154	154 157	159 160	159	159	159	159	156								
MEANS FIVE DAYS ‡ (G. M. T.)				155	155	156	158	159	160	162	165	166	164	168	168	159	152	148	143	144	149	156	159	158	156	155	156	157								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 173

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1940 — JANUARY 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				579	577	577	578	580	583	573	581	600	605	610	604	601	595	589	582	582	583	582	582	584	583	582	581	586	0	9	54	614	6 23	572	42
2				572	569	565	567	572	581	582	593	600	595	605	606	604	598	587	589	589	582	577	579	582	584	583	581	585	0	12	08	610	2 03	564	46
3			✓	579	570	565	565	570	572	571	590	617	641	666	637	627	629	628	622	602	587	585	591	593	594	593	590	599	1	10	41	683	2 08	561	122
4				589	584	584	583	580	577	560	569	574	590	621	631	628	623	631	604	580	574	573	582	587	584	587	581	591	1	14	11	641	6 52	553	88
5				576	576	573	571	574	574	570	578	583	594	614	627	620	612	604	587	580	574	577	586	590	591	589	583	588	1	11	22	630	3 58	570	60
6				577	575	572	572	571	566	553	556	568	596	611	617	610	613	619	586	584	583	582	584	586	580	579	578	584	1	14	05	629	6 12	552	77
7				574	575	572	570	570	567	558	570	579	597	612	629	618	609	590	577	584	589	575	581	582	579	580	577	584	1	11	46	638	6 14	554	84
8				574	578	578	576	573	566	560	576	600	614	627	634	627	615	591	580	579	574	577	578	581	579	579	576	587	0	11	56	641	6 08	554	87
9				574	575	574	573	572	567	560	576	589	596	616	626	621	609	586	568	564	573	575	584	582	579	580	578	583	0	11	58	632	6 20	557	75
10			✓	582	579	577	574	574	569	555	573	593	613	602	612	603	609	600	593	590	589	590	590	588	584	589	576	588	1	9	32	630	6 14	553	77
11			✓	573	573	572	574	573	573	567	578	587	598	607	619	612	610	593	592	590	577	577	591	593	588	583	580	587	1	13	04	630	6 18	565	65
12				582	573	571	572	569	573	570	583	600	605	619	628	621	607	612	602	589	581	577	584	584	584	584	581	590	1	11	59	638	4 07	563	75
13	✓			580	578	580	577	580	580	572	575	581	589	594	600	599	592	583	579	574	580	578	581	583	582	582	579	582	0	11	51	601	6 28	570	31
14	✓	✓		576	573	572	574	579	580	572	580	602	617	627	621	624	637	641	612	589	587	577	576	578	586	588	584	594	0	14	18	646	6 38	570	76
15	✓			582	579	578	575	578	580	571	569	570	589	602	611	620	611	601	580	564	562	570	579	583	588	583	579	584	0	12	18	622	17 15	556	66
16				572	569	563	566	572	573	563	567	581	593	601	602	621	632	628	603	589	588	583	586	588	581	577	577	586	1	14	00	635	6 48	557	78
17				572	566	567	568	570	570	561	564	571	574	593	626	607	603	618	594	572	579	580	584	587	586	585	580	582	1	11	26	632	6 28	557	75
18			✓	574	570	564	571	576	577	568	577	594	608	631	654	672	678	653	632	605	593	589	591	590	586	583	586	601	1	13	24	691	2 42	563	128
19				582	580	579	578	578	576	566	571	589	606	625	634	636	646	647	638	614	592	581	579	581	581	581	579	597	1	14	01	652	6 48	562	90
20	✓			578	576	571	572	573	572	572	573	581	592	601	628	634	638	625	609	594	585	572	572	574	574	575	575	588	0	11	48	644	18 28	569	75
21	✓	✓		573	571	571	572	573	574	560	559	581	598	601	601	616	631	649	649	622	594	577	575	578	576	574	574	590	0	15	32	651	6 48	552	99
22				572	570	570	569	570	571	561	562	574	587	602	609	599	576	577	580	584	582	575	576	579	580	580	581	579	0	11	48	613	6 58	560	53
23	✓			575	570	566	566	570	568	561	567	576	585	596	594	582	580	583	589	589	581	582	580	582	581	581	582	579	0	11	08	602	6 38	557	45
24				583	583	581	572	572	570	561	572	594	602	611	617	615	602	611	603	586	580	579	577	580	583	577	580	587	1	11	48	622	6 38	558	64
25				574	579	580	580	580	577	561	565	578	572	580	596	588	592	604	605	590	579	575	578	579	579	579	580	581	1	15	08	613	6 42	559	54
26	✓	✓		579	578	577	576	575	572	560	564	572	576	592	606	609	609	616	602	589	576	572	575	580	578	578	579	583	0	14	28	619	6 38	558	61
27	✓	✓		576	572	570	572	574	572	554	548	545	554	572	588	591	587	581	586	574	572	571	576	575	575	575	575	572	0	12	06	592	8 09	544	48
28	✓	✓		574	573	572	572	574	577	564	566	581	599	602	606	606	599	594	592	584	576	572	579	579	578	573	572	582	0	12	32	609	6 48	562	47
29	✓			574	573	573	576	579	582	573	577	591	592	590	597	588	576	584	601	601	589	581	574	579	583	582	580	583	0	16	17	605	13 43	566	39
30				573	568	565	563	569	571	562	567	583	599	619	620	631	637	618	597	597	593	591	590	591	585	581	574	589	1	13	38	649	6 40	559	90
31			✓	563	554	550	553	556	562	545	549	545	560	580	582	592	602	612	614	601	588	584	584	584	587	586	581	576	1	14	53	622	7 04	537	85
MEANS ALL DAYS				576	574	572	572	573	573	564	571	583	595	607	615	614	612	608	598	588	582	579	581	583	583	582	579	586							71
MEANS TEN DAYS ✻				577	574	573	573	576	576	566	568	578	589	598	605	607	606	606	600	588	580	575	577	579	580	579	578	584							59
MEANS FIVE DAYS (G. M. T.) †				576	573	572	573	575	575	562	563	576	589	599	604	609	613	616	608	592	581	574 574	576 576	578	578	578	578	584							
MEANS FIVE DAYS (G. M. T.) ‡				574	569	566	567	570	571	561	573	587	604	617	621	621	626	617	611	598	587	585	585	586	584	584	578	589							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 174

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1940 — FEBRUARY 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	579	570	566	563	563	571	560	564	578	583	593	597	602	590	594	578	574	575	580	582	586	584	582	579	579	1	12 45	612	6 23	553	59
2			✓	575	573	569	565	567	579	568	569	580	591	596	605	611	612	615	616	612	595	585	579	580	582	582	580	587	0	15 58	622	3 26	562	60
3			✓	575	573	571	565	561	557	552	549	560	572	574	579	592	584	579	574	570	569	573	581	579	579	580	580	572	0	12 45	598	7 53	547	51
4	✓			576	574	572	571	571	569	559	564	579	599	620	625	612	598	594	596	590	581	572	578	580	580	579	576	584	0	11 30	630	6 53	558	72
5	✓			570	566	565	566	568	568	557	554	567	581	585	594	600	597	600	597	582	581	579	580	580	580	577	574	578	0	12 38	605	6 58	552	53
6				573	566	564	562	564	563	546	543	554	571	589	595	598	585	580	576	572	574	572	575	579	575	576	575	572	0	12 08	602	6 58	542	60
7				574	569	568	569	570	570	565	574	590	602	609	607	600	593	592	582	574	572	572	574	573	573	573	573	580	0	10 33	614	6 18	562	52
8				573	572	570	570	571	569	552	551	570	588	604	607	599	581	570	560	558	562	564	574	574	577	580	582	574	0	10 42	613	6 58	547	66
9				576	574	571	572	570	572	564	569	582	598	614	617	619	614	610	598	579	572	571	574	573	574	573	574	584	0	11 58	622	6 38	563	59
10	✓			575	573	571	572	572	570	559	555	567	582	599	604	595	583	567	562	560	561	568	580	580	578	573	570	574	0	12 08	612	7 36	553	59
11				564	564	565	567	570	569	555	550	560	579	593	605	604	607	601	589	580	578	582	590	586	583	584	581	579	0	13 48	612	7 03	549	63
12			✓	580	573	573	572	572	572	565	561	565	573	592	584	592	593	596	592	581	571	572	579	580	576	574	571	577	1	10 34	620	7 11	556	64
13				568	563	564	566	564	569	559	553	570	584	596	605	607	605	604	592	592	580	574	573	578	580	579	574	579	0	11 58	612	7 32	550	62
14	✓	✓		572	570	567	566	566	565	551	543	553	570	585	601	610	603	607	604	595	584	578	576	575	573	572	572	577	0	12 12	612	6 56	542	70
15	✓			570	566	564	566	571	570	553	543	544	551	565	571	580	589	593	593	588	572	571	572	574	575	574	571	570	0	15 11	602	8 28	538	64
16				568	570	569	569	570	570	562	562	570	576	581	583	580	585	583	585	583	579	577	573	574	573	573	571	574	0	14 07	594	7 08	558	36
17	✓	✓		569	566	564	565	572	570	552	544	551	566	580	575	572	572	573	568	564	564	566	572	573	572	572	572	567	0	10 46	588	7 23	542	46
18	✓	✓		569	568	567	569	570	569	552	545	551	560	567	581	591	599	602	592	582	572	566	569	572	573	573	573	572	0	14 32	606	7 14	543	63
19	✓	✓		571	570	568	568	569	568	556	551	551	555	565	573	584	588	587	579	571	571	569	578	579	581	582	582	572	0	12 42	590	8 03	550	40
20				580	576	574	576	572	570	560	558	566	569	578	583	593	609	605	593	584	571	568	569	569	572	570	572	577	1	13 18	616	7 08	552	64
21				576	573	574	576	576	574	560	545	550	554	571	577	579	591	597	590	574	569	564	570	572	570	573	573	572	1	14 30	599	7 25	540	59
22				575	576	574	576	580	576	560	551	562	567	575	585	584	589	592	590	574	562	559	563	569	572	573	576	573	0	14 44	597	7 25	547	50
23				578	580	581	581	581	580	564	560	569	581	590	599	598	594	595	583	571	564	563	569	571	574	577	581	578	0	11 38	600	7 18	558	42
24				582	582	581	584	589	584	563	559	563	569	576	572	569	576	579	575	569	554	550	553	553	563	563	576	570	1	4 03	591	18 18	548	43
25			✓	575	573	567	573	573	564	548	537	553	553	569	573	577	577	591	586	583	581	577	572	573	572	572	572	570	1	14 02	597	7 38	526	71
26				572	572	570	572	576	579	569	562	564	569	573	582	590	597	604	599	585	579	575	574	574	573	570	566	577	0	14 28	605	7 38	555	50
27	✓	✓		565	568	568	569	572	573	567	568	570	575	584	592	594	592	594	592	585	579	572	572	574	577	575	570	577	0	12 06	598	6 48	564	34
28	✓			566	566	567	566	569	570	562	564	576	589	594	601	593	588	582	578	579	577	572	573	571	571	570	566	575	0	11 02	604	6 58	561	43
29				564	563	565	564	566	564	548	541	542	552	583	590	591	592	587	582	581	572	567	570	573	572	571	566	569	0	11 42	602	8 18	531	71
30																																		
31																																		
MEANS ALL DAYS				573	571	569	570	571	570	558	555	564	574	586	592	594	593	592	586	579	573	571	574	575	575	575	574	576						56
MEANS TEN DAYS ✻				570	569	567	568	570	569	557	553	561	573	584	592	593	591	590	586	580	574	571	575	576	576	575	573	575						54
MEANS FIVE DAYS † (G. M. T.)				569	568	567	567	570	569	556	550	555	565	576	584	590	591	593	587	579	574	572 570	572 573	574	574	573	571	573						
MEANS FIVE DAYS ‡ (G. M. T.)				577	572	569	568	567	569	559	556	567	574	585	588	595	591	595	589	584	578	577	578	578	580	579	579	577						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 175

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1940 — MARCH 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				563	560	563	566	569	568	563	564	575	587	597	602	600	593	582	574	572	571	564	565	569	570	568	566	574	0	12	38	605	1 18	558	47
2	✓			564	563	563	564	565	564	556	559	568	575	585	593	585	582	574	569	568	564	563	569	572	571	567	564	569	0	11	15	597	6 47	554	43
3				560	562	564	564	565	565	564	564	574	580	586	596	591	589	589	582	580	572	568	570	571	571	570	567	574	0	11	37	599	0 38	559	40
4	✓			563	563	563	563	567	569	560	559	562	562	571	581	583	583	574	568	566	566	563	568	571	572	571	570	568	0	13	14	586	7 08	558	28
5	✓			569	568	566	568	571	572	562	557	558	559	571	591	601	599	589	578	564	563	564	566	569	570	569	568	571	0	12	58	605	7 25	556	49
6	✓	✓		563	562	563	566	568	568	556	557	566	572	573	582	589	596	592	579	566	561	562	568	569	571	572	569	570	0	13	38	599	6 48	552	47
7	✓	✓		567	568	569	569	571	571	561	561	569	574	592	599	599	595	583	578	573	568	567	566	566	567	568	570	574	0	11	21	601	6 46	557	44
8				571	572	571	571	573	567	545	533	540	557	571	580	579	580	579	580	573	570	566	574	574	573	572	576	569	0	15	26	581	7 37	531	50
9				580	574	574	575	580	579	567	564	573	582	595	595	590	581	570	570	565	560	559	571	572	574	574	578	575	1	10	59	601	17 58	556	45
10	✓			580	582	585	583	580	574	562	556	569	588	604	619	627	616	610	593	577	571	569	568	569	569	569	571	583	0	12	18	629	7 08	553	76
11	✓	✓		571	570	570	570	572	570	561	555	559	570	583	593	593	594	592	585	570	561	561	567	568	569	569	566	572	0	14	10	600	7 58	554	46
12				564	564	565	566	569	570	555	544	550	562	579	587	588	588	591	591	591	584	578	575	576	565	569	570	573	0	15	28	593	7 51	541	52
13				569	566	568	569	564	562	552	550	551	567	580	592	600	606	601	585	571	568	563	568	570	572	572	572	572	0	13	30	608	7 18	546	62
14				570	566	566	565	568	568	562	561	565	577	582	589	592	596	593	582	571	566	568	569	571	571	570	570	573	0	13	50	599	6 53	560	39
15	✓	✓		567	566	566	568	570	569	562	558	562	569	578	584	589	592	586	574	569	561	561	564	565	568	568	568	570	0	13	58	593	7 32	554	39
16				568	568	566	567	569	571	560	552	556	559	568	579	588	591	584	571	557	553	563	570	570	569	567	562	568	0	13	20	594	16 54	551	43
17	✓			562	563	564	565	566	566	561	561	562	568	572	576	579	582	584	579	572	567	563	566	566	565	564	563	568	0	14	30	586	7 42	560	26
18	✓	✓		562	562	563	565	569	571	563	552	547	544	545	553	564	582	589	582	578	570	562	560	562	563	563	565	564	0	13	59	590	9 48	541	49
19				565	570	572	574	575	577	574	575	587	592	592	584	577	602	596	591	581	573	571	579	580	573	570	569	579	1	13	40	609	0 00	561	48
20				568	569	576	571	572	579	570	569	573	575	583	602	609	620	608	592	582	573	564	564	570	573	572	566	579	1	13	03	624	18 56	560	64
21				564	568	570	571	572	573	563	553	549	544	541	550	562	571	570	553	551	557	564	564	566	566	568	566	562	0	13	48	578	10 28	539	39
22				566	564	566	566	568	566	560	552	548	552	561	575	587	586	582	580	567	562	564	566	563	567	569	569	567	0	12	51	590	8 21	547	43
23				568	563	558	569	570	569	560	572	586	591	587	589	579	577	572	579	582	576	589	587	582	580	574	572	576	1	9	22	603	6 25	551	52
24			✓	562	564	562	568	570	572	574	582	591	602	647	648	620	620	594	583	586	592	599	595	558	569	575	588	588	2	10	48	750	13 06	543	207
25			✓	589	572	580	573	551	584	609	636	641	637	625	614	608	596	591	581	556	559	557	571	579	583	589	586	590	2	8	55	652	3 58	515	137
26				582	581	582	586	589	591	591	592	599	604	612	622	630	621	603	590	581	574	572	569	569	574	575	579	590	1	12	49	635	20 06	560	75
27				577	573	573	574	575	573	567	559	566	581	598	623	632	619	607	595	581	569	567	571	574	571	574	573	582	1	11	52	642	7 40	553	89
28				569	566	569	573	573	572	566	561	571	577	579	583	589	598	600	600	593	579	571	570	571	572	572	571	577	1	15	10	603	7 02	557	46
29			✓	569	570	572	569	572	571	566	560	549	551	568	646	634	635	576	583	589	583	593	594	579	564	573	565	580	2	11	30	690	8 55	539	151
30			✓	572	586	596	582	554	572	569	581	595	608	623	624	605	600	574	564	572	579	581	584	581	579	578	579	585	2	10	58	647	0 00	537	110
31			✓	577	575	574	576	576	535	550	576	609	606	627	636	622	612	606	599	590	580	581	584	579	577	562	572	587	2	11	30	669	6 04	521	148
MEANS ALL DAYS				569	568	570	570	570	570	564	564	570	577	586	596	596	597	588	581	574	569	569	572	571	571	571	571	575							66
MEANS TEN DAYS *				567	567	567	568	570	569	560	558	562	568	577	587	591	592	587	578	570	565	564	566	568	568	568	567	571							45
MEANS FIVE DAYS (G. M. T.) †				566	566	566	568	570	570	561	557	561	566	574	582	587	592	588	580	571	564	565 / 563	567 / 565	569	569	569	568	571							
MEANS FIVE DAYS (G. M. T.) ‡				574	573	577	574	565	567	574	587	597	601	618	634	618	613	588	582	579	579	582	586	574	573	574	575	586							

DESIGNATIONS AND REMARKS

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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 176

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	574	572	572	563	560	560	550	555	567	578	579	585	602	605	588	580	572	570	572	571	572	574	574	575	574	1	13	03	609	6 22	544	65
2			✓	578	579	582	583	581	582	581	578	580	587	596	608	608	601	581	570	570	570	572	570	560	560	557	563	579	1	12	02	612	21 03	550	62
3			✓	562	579	574	589	598	593	602	595	582	585	577	580	587	592	579	568	571	563	569	571	572	572	571	572	579	2	6	38	610	0 48	560	50
4				572	574	577	579	581	581	582	581	582	586	583	581	576	568	565	566	571	571	571	571	571	571	570	567	575	0	9	34	591	14 44	561	30
5				564	564	566	569	569	571	569	568	569	582	590	596	594	592	577	572	566	566	570	571	566	568	568	563	573	0	12	08	599	0 00	560	39
6				563	565	570	572	575	577	578	571	562	556	551	544	550	544	547	556	560	562	569	569	570	571	570	569	563	0	6	42	580	11 28	541	39
7	✓	✓		568	566	567	570	570	572	579	579	577	579	588	591	592	597	587	572	568	564	566	565	565	568	568	567	574	0	13	24	599	17 06	563	36
8	✓	✓		565	564	565	567	569	572	573	565	560	557	562	572	582	596	592	586	578	572	571	567	565	565	566	565	571	0	13	54	599	9 02	556	43
9	✓	✓		564	565	565	567	570	572	577	583	591	592	599	601	602	590	572	570	569	569	570	566	564	564	564	564	575	0	12	49	604	23 50	563	41
10	✓	✓		564	563	564	565	570	573	578	580	581	580	582	588	591	596	589	582	578	571	564	562	562	564	564	563	574	0	13	21	597	20 00	561	36
11	✓			562	562	564	567	570	572	571	561	550	540	538	545	553	562	567	569	565	561	562	563	563	564	565	564	561	0	5	44	573	10 08	533	40
12	✓	✓		565	564	564	565	570	572	574	576	576	585	599	599	601	604	610	597	579	564	562	561	561	563	563	562	576	0	14	18	612	20 32	560	52
13				562	565	566	568	570	573	562	549	543	533	544	564	570	568	564	562	560	560	562	563	566	566	569	567	562	0	5	15	577	9 48	527	50
14				572	574	571	577	578	580	580	578	577	579	585	591	591	593	587	576	570	564	564	564	565	567	567	566	576	0	12	53	598	17 42	562	36
15				569	571	572	574	575	572	573	572	555	561	552	553	572	573	572	567	560	555	559	563	570	572	570	564	566	1	12	28	580	10 52	544	36
16				565	571	572	573	573	572	580	577	576	572	566	572	580	584	578	571	569	567	566	562	563	564	564	564	571	1	13	08	589	20 08	561	28
17				567	565	568	572	572	575	574	564	554	558	560	570	580	577	576	577	569	567	564	559	563	567	564	563	568	0	12	43	583	8 38	553	30
18	✓			566	569	568	572	574	576	577	569	564	560	562	568	570	564	562	566	565	560	561	562	562	564	564	565	566	0	6	28	579	9 18	559	20
19	✓			570	572	572	573	574	579	580	563	547	529	522	535	552	564	569	575	572	560	562	564	562	561	560	560	562	0	6	07	582	10 17	520	62
20				561	560	562	567	568	570	574	564	559	545	544	560	562	559	554	553	554	560	564	560	561	560	559	557	560	1	6	11	576	9 39	540	36
21				559	555	560	563	569	578	585	579	573	572	572	580	588	590	583	582	572	569	563	564	566	569	567	563	572	1	12	51	592	1 23	552	40
22				559	554	558	557	568	575	585	590	599	591	582	579	578	579	573	570	565	561	561	561	562	562	562	561	570	0	8	25	602	1 30	552	50
23	✓			562	564	564	569	574	579	583	588	582	583	589	589	586	589	593	590	582	574	571	569	565	567	563	562	577	0	14	18	594	0 08	561	33
24	✓			563	563	564	565	569	570	561	553	556	563	581	581	590	606	603	589	573	562	560	559	560	562	549	516	567	0	13	50	607	23 36	502	105
25			✓	559	562	563	570	577	580	580	578	570	561	556	551	564	580	574	569	563	569	575	572	571	568	569	570	569	2	12	53	587	12 26	536	51
26			✓	573	570	572	579	582	580	576	584	592	589	590	596	609	613	603	582	572	566	568	564	570	571	570	562	581	1	12	48	617	23 46	561	56
27				567	570	570	572	572	577	574	571	564	560	552	553	562	577	581	579	575	568	566	564	563	566	569	568	568	0	14	28	582	10 18	549	33
28				569	571	570	571	571	572	563	556	553	562	573	582	582	581	588	581	571	570	568	564	565	570	570	563	570	0	14	20	592	8 06	550	42
29				560	562	565	570	571	571	567	566	561	562	567	579	586	590	592	582	572	563	562	560	560	562	563	562	569	0	14	28	594	0 16	559	35
30				564	565	565	570	573	573	568	563	564	564	564	577	589	586	581	565	554	554	558	559	560	561	562	564	567	0	12	44	592	17 08	552	40
31																																		
MEANS ALL DAYS				566	567	568	571	573	575	575	572	569	568	570	576	582	584	580	574	569	565	566	565	565	566	565	563	570							44
MEANS TEN DAYS ✻				565	565	566	568	571	574	575	572	568	567	572	577	582	587	584	580	573	566	565	564	563	564	563	559	570							47
MEANS FIVE DAYS † (G. M. T.)				565	564	565	567	570	572	576	577	577	579	586	590	594	597	590	581	574	568	568 567	566 564	565	566	567	566	575							
MEANS FIVE DAYS ‡ (G. M. T.)				569	572	573	577	580	579	578	578	578	580	580	584	594	598	585	574	570	568	571	571	568	568	562	559	576							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
{ } = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 177

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1940 — MAY 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MINIMUM (H M)	RANGE
1	✓			566	566	572	574	576	578	577	575	573	566	573	575	578	573	569	566	561	560	560	558	561	561	564	566	569	0	12 13 582	19 22 557	25
2	✓			564	566	566	570	571	575	581	580	579	571	574	575	582	585	577	569	558	558	561	558	560	562	561	560	569	0	12 56 590	16 51 554	36
3	✓	✓		561	561	563	562	564	567	564	560	555	554	555	571	575	583	581	572	562	561	562	563	563	565	565	565	565	0	13 31 585	9 08 549	36
4	✓	✓		566	566	567	571	570	571	576	580	576	574	572	572	573	567	572	573	564	559	561	559	561	562	563	563	568	0	7 54 581	17 43 558	23
5	✓			563	564	564	568	567	572	572	565	552	542	543	545	551	560	573	574	573	564	563	561	561	562	563	562	562	0	16 08 576	9 58 539	37
6	✓	✓		563	564	564	566	568	570	574	572	571	564	565	572	581	581	574	568	555	553	554	554	556	560	560	557	565	0	13 18 583	16 58 551	32
7	✓			559	560	560	561	564	566	573	584	589	585	583	579	582	573	565	562	560	560	560	560	560	561	563	564	568	0	8 04 591	16 53 555	36
8	✓			564	564	564	566	567	570	573	576	573	574	574	569	574	580	580	571	565	561	558	558	562	563	566	563	568	0	13 48 582	18 28 556	26
9				561	568	567	568	570	571	578	581	579	563	551	562	570	577	581	580	570	558	556	555	555	557	560	561	567	1	7 29 585	10 08 545	40
10				565	568	572	575	574	574	572	573	566	564	559	560	564	571	574	573	563	557	559	556	559	558	558	562	566	1	4 08 581	19 14 555	26
11				562	564	566	568	571	575	580	576	558	543	534	534	553	574	578	568	554	552	554	555	556	562	563	563	561	1	7 02 585	11 08 531	54
12				561	558	555	564	573	575	579	574	573	570	570	573	579	587	577	568	554	553	553	557	561	565	564	564	567	1	13 38 590	16 53 551	39
13				561	563	565	568	571	572	571	570	565	554	554	561	576	583	572	556	554	555	556	555	561	564	565	565	564	0	13 14 586	16 02 549	37
14				565	564	571	570	571	571	564	564	553	543	548	555	574	584	584	580	571	560	555	555	557	561	561	559	564	1	12 51 589	9 44 540	49
15				564	569	571	572	572	572	565	564	549	544	542	544	566	572	571	574	571	561	563	564	565	564	564	563	564	1	13 03 576	10 38 538	38
16				564	565	565	566	570	570	569	564	560	556	557	557	563	565	574	583	572	560	553	553	554	555	559	562	563	0	15 35 584	19 08 552	32
17				560	563	565	571	574	581	582	570	560	545	541	552	553	558	567	570	560	553	553	554	550	556	558	554	560	0	6 25 590	10 28 538	52
18			✓	558	562	568	561	571	589	603	600	563	558	557	569	577	578	580	573	564	567	567	569	569	566	564	561	571	1	6 33 610	1 02 548	62
19				562	562	559	560	566	574	577	576	565	554	545	545	560	567	575	568	561	565	561	561	561	561	561	559	563	0	6 18 583	10 48 543	40
20				559	557	559	561	565	571	572	571	557	554	543	554	562	578	581	574	561	556	557	558	557	560	561	552	562	0	14 09 585	10 23 533	52
21				561	557	563	562	565	563	574	574	562	548	549	555	575	583	576	571	564	561	554	555	561	553	561	550	562	0	13 04 586	7 54 545	41
22			✓	551	551	551	561	565	570	581	589	590	587	584	591	587	581	577	573	560	560	558	556	556	560	560	558	569	1	9 34 594	0 48 547	47
23			✓	557	560	557	555	561	572	583	585	581	573	564	565	566	568	558	551	546	547	544	545	547	551	554	535	559	1	7 10 589	23 45 523	66
24			✓	547	565	565	554	551	555	575	605	607	597	581	572	577	570	553	552	544	557	559	559	563	563	558	563	566	1	7 12 627	0 00 531	96
25				563	563	563	563	564	563	562	570	573	573	575	585	593	590	577	570	564	558	553	553	553	553	556	561	567	1	12 36 596	19 00 551	45
26			✓	557	558	558	560	555	556	561	566	561	547	551	561	554	560	552	545	543	551	555	545	561	561	563	564	5.56	1	7 13 575	19 13 541	34
27				562	563	566	571	573	574	580	586	581	574	573	564	564	570	580	573	557	546	543	554	554	554	555	554	565	1	7 28 590	18 27 542	48
28				563	563	561	564	571	575	581	584	576	564	550	536	532	539	553	553	543	550	552	553	555	562	567	569	559	1	7 36 590	12 03 526	64
29				565	562	562	563	564	566	571	575	572	564	556	560	565	567	564	562	556	554	553	553	555	557	559	559	562	0	8 00 576	18 58 552	24
30	✓	✓		561	561	561	561	563	568	577	581	574	565	560	558	565	562	555	558	555	554	553	554	555	560	560	560	562	0	6 43 583	18 42 552	31
31	✓	✓		559	559	560	561	563	566	573	576	573	563	553	549	553	553	551	556	551	550	551	552	554	556	557	558	558	0	7 18 579	11 08 547	32
MEANS ALL DAYS				561	562	564	565	567	571	575	576	570	562	559	562	568	572	571	567	559	557	556	556	558	560	561	560	564				42
MEANS TEN DAYS ✱				563	563	564	566	567	570	574	575	572	566	565	566	571	572	570	567	560	558	558	558	559	561	562	562	565				31
MEANS FIVE DAYS † (G. M. T.)				562	562	563	564	566	568	573	574	570	564	561	564	569	569	567	565	557	555	558 556	558 556	559	561	562	561	564				
MEANS FIVE DAYS ‡ (G. M. T.)				554	559	560	558	561	568	581	589	580	572	567	572	572	571	564	559	551	556	557	553	553	555	558	552	563				

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 178

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM	MINIMUM	RANGE
																														H M	H M	
1	✓	✓		558	559	561	561	564	570	583	591	585	574	563	555	556	560	560	560	555	552	552	553	555	555	555	556	562	0	7 08 592	17 23 551	41
2				555	560	562	564	570	574	589	593	583	571	551	533	539	544	551	560	552	549	550	551	553	555	556	558	559	0	6 58 598	11 36 530	68
3	✓			558	561	563	565	569	575	585	585	579	566	553	552	553	554	562	566	567	558	559	557	556	556	557	554	563	0	7 38 589	10 48 549	40
4	✓	✓		554	555	556	558	562	565	573	573	568	562	570	570	561	563	566	569	554	551	553	551	552	554	554	554	560	0	6 38 574	17 18 549	25
5				553	554	556	560	568	571	578	588	583	578	571	567	563	561	553	555	555	551	548	544	555	563	561	557	562	0	7 38 591	19 32 542	49
6			✓	553	567	567	571	571	575	590	599	598	581	564	556	552	541	538	536	536	551	552	551	549	554	560	565	562	1	7 20 603	15 31 533	70
7			✓	555	561	564	561	562	564	580	592	598	583	577	573	570	564	557	552	554	553	552	553	558	561	562	562	565	1	8 03 603	18 49 548	55
8				563	561	562	563	564	573	590	601	594	568	555	546	553	557	553	543	542	544	552	552	554	556	557	558	561	1	7 21 603	17 15 537	66
9				557	559	559	559	555	551	562	582	584	573	568	565	567	565	563	563	554	553	553	558	556	555	555	556	561	0	8 14 588	5 41 548	40
10	✓			556	558	560	561	563	565	571	577	573	561	554	558	566	569	566	561	554	548	550	551	553	554	557	557	560	0	7 35 581	17 28 545	36
11	✓	✓		556	556	560	563	564	567	573	574	570	564	555	553	553	553	553	551	545	544	548	552	553	553	554	555	557	0	7 03 579	17 10 541	38
12	✓			557	558	559	559	563	565	575	587	586	581	575	574	569	565	563	557	551	544	545	545	546	549	551	551	561	0	8 14 589	17 40 543	46
13	✓			552	552	554	555	558	560	563	561	553	545	546	551	550	552	564	557	551	550	546	550	550	552	554	553	553	0	14 38 569	9 32 544	25
14			✓	553	553	551	543	558	570	573	586	580	571	565	560	559	554	557	552	565	562	554	562	564	564	564	551	561	1	7 56 599	3 21 536	63
15			✓	539	553	552	552	561	564	563	567	584	573	573	567	553	555	557	558	559	554	551	554	559	555	561	560	559	1	8 11 590	0 08 536	54
16				555	556	559	559	561	567	575	574	572	558	551	553	556	557	567	556	551	551	552	553	554	555	553	556	558	0	6 51 581	16 01 546	35
17				553	551	546	551	561	563	573	575	572	551	544	554	554	551	552	559	557	558	559	555	554	556	558	546	556	1	7 57 577	9 58 536	41
18				551	553	546	548	551	561	581	594	586	573	562	551	554	561	561	561	550	550	551	552	553	555	555	553	559	1	7 33 598	2 35 541	57
19				552	553	552	553	558	561	575	577	570	555	544	548	545	548	554	560	556	554	554	552	553	554	556	554	556	0	6 48 582	10 40 535	47
20	✓	✓		555	555	555	555	556	563	581	593	591	580	577	578	583	573	561	556	555	552	548	550	552	553	555	553	564	0	7 51 594	18 52 546	48
21	✓	✓		553	552	551	553	556	561	575	584	582	572	567	562	561	555	553	552	547	548	549	549	551	551	551	553	558	0	8 09 587	16 38 546	41
22				551	553	555	557	559	561	561	573	577	570	562	558	551	551	554	553	545	538	539	543	550	556	555	556	555	0	8 08 580	17 51 535	45
23				556	558	559	560	561	563	573	577	568	554	546	535	532	531	534	544	545	545	544	546	550	552	554	556	552	0	7 11 580	13 53 527	53
24				554	561	564	565	564	568	574	583	581	576	573	571	565	563	562	555	543	542	546	552	553	560	555	557	562	1	7 11 586	17 18 541	45
25			✓	563	562	566	563	573	579	602	571	603	570	555	548	580	587	580	565	567	563	557	559	568	570	567	563	570	2	8 51 690	7 44 530	160
26				560	561	558	561	557	562	565	572	573	573	580	575	573	571	570	563	556	553	551	551	551	554	555	560	563	1	12 30 590	20 12 548	42
27				561	561	558	556	562	564	575	575	573	568	566	566	561	566	568	564	554	552	551	551	552	555	556	556	561	0	7 02 582	20 26 549	33
28	✓			556	558	558	561	561	562	565	574	575	568	558	560	561	551	552	557	549	545	544	545	548	551	553	554	557	0	7 48 576	17 08 543	33
29				554	556	556	560	562	564	571	574	574	562	556	561	565	587	573	564	551	546	547	548	553	554	557	558	561	0	13 38 593	16 58 544	49
30				555	554	555	560	561	562	564	568	568	570	560	544	545	555	563	563	568	567	562	561	563	561	555	556	560	1	9 25 572	11 40 536	36
31																																
MEANS ALL DAYS				555	557	557	559	562	566	575	581	579	568	561	558	558	559	559	557	553	551	551	552	554	556	556	556	560				49
MEANS TEN DAYS ✱				556	556	558	559	562	565	574	580	576	567	562	561	561	560	560	559	553	549	549	550	552	553	554	554	560				37
MEANS FIVE DAYS † (G. M. T.)				555	555	557	558	560	565	577	583	579	570	566	564	563	561	559	558	551	549	552 550	552 551	554	555	556	555	561				
MEANS FIVE DAYS ‡ (G. M. T.)				553	559	560	558	565	570	582	583	593	576	567	561	563	560	558	553	556	557	553	552	554	559	559	557	563				

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

☐ = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

☐ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 179

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1940 — JULY 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MINIMUM (H M)	RANGE
1				554	554	560	562	565	568	572	575	575	563	555	553	550	556	561	567	560	551	552	550	550	552	553	554	559	0	8 01 580	12 04 548	32
2	✓	✓		554	554	555	560	562	563	566	575	571	567	567	556	556	560	555	561	555	551	550	550	551	551	554	554	558	0	7 41 576	18 50 546	30
3				554	550	552	560	563	570	577	581	566	554	563	571	563	563	555	548	543	543	552	561	561	554	554	554	559	1	7 41 584	17 26 541	43
4			✓	554	560	561	566	565	571	569	591	583	569	563	562	561	554	554	555	550	548	548	551	553	554	555	556	561	1	7 35 595	18 52 539	56
5				554	553	555	562	562	565	578	585	574	562	551	545	553	556	558	567	554	546	551	545	551	555	554	554	558	1	7 06 586	17 08 541	45
6				554	555	556	560	563	570	583	590	588	579	573	573	570	571	563	553	547	546	546	548	549	551	552	554	562	0	8 01 593	18 51 543	50
7	✓			554	554	555	555	559	560	564	574	575	563	550	551	553	558	560	560	555	551	549	551	551	552	554	555	557	0	7 38 580	10 35 545	35
8	✓			555	555	556	556	559	562	564	570	563	558	555	563	570	573	575	567	554	547	542	548	551	551	553	551	558	0	14 20 578	18 20 537	41
9				551	551	549	545	548	548	552	563	569	563	551	551	554	569	557	552	545	543	547	546	550	550	551	553	552	1	13 24 577	17 33 540	37
10			✓	550	557	555	551	550	550	556	562	572	563	568	569	577	571	571	567	557	553	553	551	550	558	554	551	559	1	12 20 583	0 41 543	40
11				550	554	555	555	557	562	573	575	571	560	555	559	565	564	572	568	557	544	546	546	549	552	552	551	558	0	7 51 579	17 31 543	36
12	✓			551	553	555	559	561	562	562	563	555	536	531	534	546	549	551	559	558	545	544	547	548	549	551	550	551	0	7 08 570	10 08 530	40
13			✓	548	545	547	552	547	540	543	579	562	534	538	551	560	571	567	562	543	549	553	556	556	555	557	553	553	1	8 46 597	9 51 497	100
14			✓	551	550	553	553	556	554	562	573	570	569	567	560	558	564	560	562	556	551	550	550	551	553	552	553	557	1	7 55 579	1 42 544	35
15				554	553	554	560	556	560	572	573	561	548	547	550	555	545	548	561	554	550	551	549	550	551	552	550	554	0	6 58 581	13 58 541	40
16				553	552	553	553	554	561	571	579	573	565	562	566	567	571	567	559	545	542	549	551	552	552	554	553	558	0	7 31 581	16 56 540	41
17	✓	✓		551	550	551	551	553	556	559	565	563	554	555	555	555	552	552	556	551	546	548	546	547	550	552	552	553	0	7 34 566	17 08 545	21
18	✓	✓		551	552	554	554	554	557	561	565	566	556	562	566	570	578	580	570	553	543	545	546	548	549	550	550	558	0	14 08 583	17 42 541	42
19	✓			551	550	553	556	560	563	574	582	581	573	561	552	554	569	568	566	550	540	537	544	545	546	549	550	557	0	8 08 583	17 53 536	47
20	✓	✓		549	552	554	556	558	561	566	571	560	541	539	536	544	550	556	553	542	539	541	541	544	547	551	550	550	0	7 51 572	11 08 535	37
21				551	553	555	556	556	560	564	573	573	559	550	552	555	553	550	543	540	534	539	542	545	550	551	551	552	0	8 06 576	17 22 533	43
22				551	550	539	553	560	563	574	582	579	558	553	549	538	537	541	547	545	542	543	543	546	551	553	553	552	0	7 14 591	2 26 531	60
23				553	553	555	557	559	562	570	570	564	560	559	560	561	559	560	557	547	538	542	544	548	551	551	546	555	0	6 58 575	16 12 536	39
24				543	545	547	551	550	554	563	570	563	560	563	557	553	554	564	557	542	542	544	545	550	552	551	552	553	0	7 38 572	16 58 539	33
25				552	548	547	549	553	556	565	574	568	555	554	557	561	556	560	548	543	542	543	545	548	549	551	549	553	0	7 48 575	17 28 541	34
26	✓			551	551	551	551	551	553	553	561	560	551	549	554	561	561	551	550	549	548	548	546	546	549	550	549	552	0	12 58 565	17 38 545	20
27	✓	✓		550	551	552	552	554	556	565	570	564	556	551	547	548	546	551	553	550	541	538	542	543	544	545	546	551	0	7 08 572	18 18 536	36
28				546	547	550	553	553	553	552	561	565	555	548	549	558	560	560	553	549	543	543	545	546	546	548	547	551	0	8 08 569	18 14 542	27
29				547	551	553	553	554	555	555	559	552	537	531	533	541	546	550	542	535	534	539	541	541	545	548	547	545	0	7 28 560	10 08 530	30
30			✓	546	551	555	561	565	569	564	573	571	566	558	550	543	541	541	544	541	536	538	541	543	543	551	553	552	1	7 28 584	17 08 533	51
31				550	545	546	554	555	560	568	575	566	551	538	536	538	541	552	560	550	543	544	544	545	541	551	551	550	1	7 21 578	11 51 532	46
MEANS ALL DAYS				551	552	553	555	557	559	565	573	568	558	554	554	556	558	558	557	549	544	546	547	549	550	552	551	555				41
MEANS TEN DAYS ✻				552	552	554	555	557	559	563	570	566	556	552	551	556	560	560	560	552	545	544	546	547	549	551	551	554				35
MEANS FIVE DAYS † (G. M. T.)				551	552	553	555	556	559	563	569	565	555	555	552	555	557	559	559	550	544	547 544	547 545	548	550	552	552	554				
MEANS FIVE DAYS ‡ (G. M. T.)				550	553	554	557	557	557	559	576	572	560	559	558	560	560	559	558	549	547	548	550	551	551	552	551	556				

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 180

DECLINATION

AUGUST 1940

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				550	550	551	554	557	562	573	575	570	553	548	551	553	545	551	553	552	551	546	545	546	550	550	551	554	0	6 40	578	13 21	542	36
2				551	551	552	554	556	559	562	572	570	556	554	560	560	555	548	538	535	536	541	540	542	543	547	546	551	0	8 27	575	15 28	533	42
3			✓	542	534	534	533	536	530	535	542	545	554	530	550	540	552	562	562	553	550	547	552	557	552	552	552	546	1	9 44	574	10 10	502	72
4				550	546	545	543	544	552	572	591	592	580	573	570	564	559	550	537	539	543	545	545	549	552	550	551	556	0	7 54	595	15 54	533	62
5				549	550	550	550	546	547	562	578	577	562	557	560	571	568	560	561	553	550	549	549	553	552	550	546	556	0	7 53	581	23 35	543	38
6			✓	545	546	545	540	541	539	541	551	559	545	552	556	551	562	568	554	551	551	551	551	551	551	551	551	550	1	14 24	570	5 25	535	35
7				550	546	545	547	545	543	550	553	546	555	553	566	565	570	569	555	551	549	546	549	552	555	556	554	553	0	11 48	576	5 18	542	34
8				551	547	541	542	538	543	551	567	571	561	561	565	568	557	553	545	543	545	550	549	550	551	548	550	552	0	8 28	572	4 31	536	36
9			✓	546	541	541	541	536	541	542	533	530	528	538	551	555	551	551	555	551	555	556	551	552	556	554	552	546	1	12 28	563	9 31	519	44
10				551	550	546	544	551	550	556	565	574	580	587	587	593	594	575	562	554	551	548	543	545	551	549	548	561	0	12 57	601	19 20	542	59
11			✓	550	549	551	544	541	544	544	549	553	553	551	552	570	579	574	572	565	560	555	551	548	551	553	553	555	1	13 14	582	4 34	537	45
12				547	545	546	546	550	551	561	571	575	571	570	581	586	574	566	564	555	546	551	548	549	550	550	547	558	0	12 08	589	1 00	544	45
13	✓			546	544	544	545	552	558	565	567	561	554	553	561	570	571	563	557	555	551	548	546	545	547	549	545	554	0	12 58	575	1 44	543	32
14				544	547	547	551	552	561	573	571	559	544	541	548	561	561	564	562	553	551	551	550	549	546	546	546	553	0	7 08	577	9 48	536	41
15	✓	✓		546	548	550	551	553	560	566	564	553	537	516	525	546	559	554	552	550	541	536	538	540	542	545	545	547	0	6 52	569	10 44	513	56
16	✓	✓		545	547	550	551	555	555	553	553	552	549	550	555	555	558	556	561	556	551	546	542	542	544	546	546	551	0	15 38	562	19 58	541	21
17	✓	✓		549	550	551	552	555	560	571	574	574	572	559	544	553	560	554	551	550	543	542	542	542	545	546	546	554	0	8 50	576	17 48	541	35
18				545	548	551	553	559	565	571	570	560	554	550	546	551	541	531	541	533	536	535	541	544	549	552	552	549	1	6 38	574	14 02	525	49
19				552	553	553	554	556	563	579	581	569	555	536	515	532	554	553	558	554	544	545	543	543	545	547	541	551	1	6 38	584	11 34	502	82
20				541	545	553	559	565	571	581	590	578	563	544	529	524	524	526	543	551	548	550	544	543	544	549	544	550	0	7 41	594	12 48	522	72
21	✓			550	552	553	553	557	562	573	573	577	571	563	570	575	568	563	568	554	545	540	533	541	545	549	549	558	0	8 48	583	19 28	531	52
22	✓			549	549	551	554	559	560	565	565	562	556	563	555	561	562	557	554	551	545	543	540	544	545	548	547	554	0	7 01	571	19 28	539	32
23	✓			550	551	551	551	556	562	571	571	566	563	553	552	545	543	546	547	542	537	540	543	544	546	546	546	551	0	7 49	574	17 28	534	40
24	✓	✓		546	546	546	550	553	559	573	575	571	565	555	546	548	547	547	546	539	533	542	542	543	544	544	543	550	0	7 28	575	17 18	531	44
25	✓			543	543	544	549	551	551	552	559	571	572	570	569	563	567	572	572	562	543	543	541	541	543	543	545	555	0	9 18	576	19 00	540	36
26			✓	545	545	548	551	558	557	555	552	546	535	526	536	550	558	555	555	547	542	545	536	536	541	542	545	546	1	13 31	562	10 20	523	39
27				542	548	554	555	557	563	570	566	553	541	524	521	529	531	540	543	550	543	541	540	541	543	542	541	545	1	6 33	574	10 33	517	57
28				544	545	546	550	554	560	563	554	542	525	514	503	511	523	540	545	548	545	543	541	540	541	544	544	540	1	6 49	566	11 25	501	65
29				544	541	545	551	555	559	567	563	550	533	524	523	530	533	537	541	545	545	545	541	542	545	545	545	544	0	6 55	572	10 45	521	51
30	✓	✓		545	546	546	548	552	559	567	571	566	563	554	552	549	551	555	556	553	545	543	540	541	542	545	544	551	0	7 44	573	19 28	538	35
31				544	546	550	551	553	558	566	562	547	532	527	532	530	531	544	554	549	547	550	548	552	551	550	544	547	0	6 10	568	13 00	525	43
MEANS ALL DAYS				547	547	548	549	551	555	562	565	562	554	548	549	554	555	554	554	550	546	546	544	545	547	548	547	551						46
MEANS TEN DAYS ✲				547	548	549	550	554	559	566	567	565	560	554	553	556	559	557	556	551	543	542	541	542	544	546	546	552						38
MEANS FIVE DAYS (G. M. T.) †				546	547	549	550	554	559	566	567	563	557	547	544	550	555	553	553	550	543	544 542	543 541	543	545	546	546	551						
MEANS FIVE DAYS (G. M. T.) ‡				546	543	544	542	542	542	543	545	547	543	539	549	553	560	562	560	553	552	551	544	546	548	547	547	548						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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☐ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 181

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	543	543	541	549	555	560	571	573	554	534	522	522	530	543	549	550	551	544	545	545	546	546	550	550	546	1	6	52	582	11 28	502	80
2				548	549	553	554	561	563	571	571	564	547	540	540	550	554	545	545	545	547	551	549	547	546	544	543	551	1	6	51	576	10 28	535	41
3				542	539	544	554	556	560	561	564	571	572	564	562	550	554	549	545	551	551	553	549	545	545	546	545	553	1	9	16	583	1 12	536	47
4				545	545	546	543	542	545	554	571	571	570	565	564	561	554	548	555	553	547	551	547	547	545	544	543	552	0	7	50	579	4 28	540	39
5				545	547	549	545	547	551	552	560	572	577	594	604	610	609	590	572	563	553	546	544	545	544	544	544	563	0	13	08	613	4 08	543	70
6				541	541	542	541	541	546	555	556	562	560	561	553	553	551	547	540	537	540	540	536	536	541	545	542	546	0	8	28	563	19 42	533	30
7			✓	537	543	551	555	554	560	560	576	577	572	563	560	562	570	566	559	550	546	549	545	544	544	548	544	556	1	7	52	585	0 28	536	49
8				544	545	546	545	541	543	546	542	536	523	523	534	535	556	561	558	551	545	550	548	544	543	540	544	543	1	14	22	563	10 28	516	47
9				544	545	545	542	538	542	552	552	548	543	545	553	565	571	561	560	555	555	553	546	546	547	546	544	550	0	13	32	575	4 45	536	39
10	✓	✓		544	544	545	546	551	555	562	562	555	550	549	553	561	565	569	567	552	544	543	541	541	543	543	544	551	0	14	54	570	19 28	540	30
11	✓			544	544	546	546	546	550	552	547	545	547	558	572	579	577	570	563	553	544	539	537	539	540	543	543	551	0	12	51	585	19 30	536	49
12	✓	✓		542	541	543	545	550	552	553	546	540	534	531	535	558	572	570	561	550	541	540	541	540	542	543	542	546	0	14	00	575	10 28	529	46
13	✓			542	541	544	545	550	552	557	552	541	529	513	518	534	541	553	561	543	532	534	536	537	536	537	535	540	0	15	28	563	10 10	510	53
14				540	541	544	545	548	553	553	551	544	536	535	530	543	551	542	553	553	545	543	542	543	544	544	544	544	1	13	18	562	11 20	521	41
15				539	545	547	549	554	561	569	571	568	565	543	543	541	543	545	555	555	548	546	545	544	544	544	542	550	0	7	38	574	0 26	535	39
16				543	541	545	549	552	557	570	575	573	577	564	553	561	565	563	551	548	546	547	544	542	542	543	542	554	1	8	52	583	1 13	540	43
17	✓	✓		542	544	544	547	551	556	565	572	571	572	572	573	568	560	551	539	536	535	540	541	541	541	540	542	552	0	11	03	574	16 58	533	41
18	✓			542	541	541	545	548	553	549	545	549	553	560	572	580	580	574	571	559	541	535	537	538	540	541	541	551	0	13	40	582	18 15	534	48
19	✓	✓		541	540	541	543	546	552	550	541	534	533	530	537	545	552	553	553	543	536	537	541	542	543	541	541	542	0	15	00	555	10 22	526	29
20				541	541	541	543	545	545	537	536	541	550	554	544	556	561	554	550	545	548	541	543	543	542	544	541	545	1	9	58	570	8 27	531	39
21				543	537	543	544	550	550	554	561	554	553	553	561	566	570	563	554	551	544	543	541	542	543	543	544	550	1	13	01	571	1 43	536	35
22				544	543	543	550	554	551	554	553	555	561	559	554	563	563	562	561	554	546	541	541	541	542	543	543	551	0	13	35	567	19 18	540	27
23	✓	✓		542	541	541	543	545	546	550	545	535	527	527	543	560	565	566	557	544	537	535	540	540	540	542	540	544	0	13	38	571	9 48	525	46
24	✓			542	542	543	545	549	549	546	541	536	536	536	544	559	558	553	549	539	531	531	532	532	533	542	543	542	0	12	44	561	21 17	525	36
25				542	543	542	544	549	552	546	541	539	540	541	552	563	555	558	562	554	551	544	542	542	541	542	542	547	1	15	18	564	8 08	534	30
26			✓	541	541	542	544	545	545	545	551	553	558	561	573	605	617	602	561	554	554	555	549	550	554	550	543	558	1	13	31	624	0 28	540	84
27			✓	539	541	543	549	547	545	545	540	536	536	541	554	576	583	576	563	553	560	549	553	545	551	554	544	551	1	13	14	589	9 31	533	56
28			✓	545	548	545	551	545	541	530	531	531	533	541	561	580	576	576	568	555	546	544	545	543	542	545	543	549	1	14	00	583	7 11	526	57
29				541	539	541	546	547	548	546	545	541	539	535	540	551	562	565	562	550	545	541	541	540	541	543	541	545	0	14	51	572	9 08	534	38
30	✓			541	541	540	542	543	544	545	546	545	547	553	562	576	576	573	571	554	541	537	541	542	540	541	533	549	0	12	58	583	23 31	530	53
31																																			
MEANS ALL DAYS				542	543	544	546	548	551	553	554	551	549	548	552	561	565	562	557	550	545	543	543	542	543	544	542	549							45
MEANS TEN DAYS *				542	542	543	545	548	551	553	550	545	543	543	551	562	565	563	559	547	538	537	539	539	540	541	540	547							43
MEANS FIVE DAYS † (G. M. T.)				542	542	543	545	549	552	556	553	547	543	542	548	558	563	562	555	545	539	543 539	541 541	541	542	543	543	547							
MEANS FIVE DAYS ‡ (G. M. T.)				541	543	544	550	549	550	550	554	550	547	546	554	571	578	574	560	553	550	548	546	545	548	548	543	552							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 182

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1940 — OCTOBER 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	534	535	540	541	541	541	533	526	525	522	526	543	554	557	582	569	560	546	545	545	545	544	545	544	543	1	14	34	605	9 22	510	95
2				543	540	544	547	550	551	554	550	543	533	536	552	564	564	560	555	555	550	545	543	542	540	542	540	548	0	12	42	570	10 06	525	45
3				540	536	541	539	541	542	540	545	547	557	560	561	566	566	551	541	538	534	537	543	546	547	540	541	546	1	11	49	573	17 45	533	40
4				541	543	544	546	545	540	537	547	556	564	581	592	590	583	580	567	553	542	540	543	542	540	539	535	554	0	11	27	595	23 01	534	61
5				540	541	541	544	543	536	530	525	526	524	530	552	561	560	553	544	537	535	532	539	541	541	540	539	540	0	12	50	563	9 12	522	41
6				540	536	537	540	541	535	533	545	556	565	580	593	603	596	593	571	551	544	545	550	542	541	539	536	555	0	12	28	605	6 31	528	77
7			✓	533	534	531	524	529	530	525	523	528	546	545	566	585	584	582	578	564	553	556	563	561	556	546	553	550	1	14	12	593	7 53	516	77
8			✓	550	555	553	549	553	555	564	575	580	582	587	590	593	593	582	566	543	541	541	541	548	550	550	551	562	1	12	50	602	17 08	537	65
9	✓			548	546	545	543	544	544	535	535	535	540	560	572	572	572	580	570	551	545	540	542	543	543	543	541	550	0	13	58	585	6 51	533	52
10	✓			537	537	537	537	542	543	539	537	530	534	544	552	554	563	564	550	537	542	544	546	545	544	543	539	543	0	13	44	568	8 28	524	44
11				535	535	535	537	539	536	540	545	551	554	563	572	565	561	564	552	536	533	541	543	542	544	545	544	546	0	11	08	574	17 06	531	43
12				541	537	535	536	536	535	535	537	542	535	530	542	537	541	541	531	525	533	535	540	536	540	540	540	537	0	11	33	550	16 25	524	26
13	✓	✓		540	536	538	540	540	541	545	564	571	565	571	586	586	582	579	560	538	532	534	540	539	538	537	536	552	0	12	11	589	17 18	530	59
14	✓	✓		535	535	535	535	535	538	538	535	534	534	543	552	551	552	556	551	539	533	534	541	543	541	538	535	540	0	14	38	557	17 30	532	25
15				531	526	525	531	534	538	535	530	533	535	536	546	539	540	546	543	535	533	535	541	544	542	541	537	536	1	11	27	554	1 16	523	31
16				534	531	530	529	534	534	534	542	551	555	563	567	563	572	563	547	542	536	538	545	545	546	546	544	545	0	13	31	573	3 33	526	47
17	✓			541	540	536	536	538	541	536	535	536	543	553	561	571	565	555	545	533	531	525	537	541	543	543	543	543	0	12	44	572	18 23	524	48
18				540	536	531	542	545	547	539	541	544	550	567	574	585	593	584	563	546	536	534	538	542	543	540	540	550	0	13	48	599	2 25	528	71
19				540	540	540	540	540	541	529	534	536	544	551	552	555	565	560	542	531	535	534	543	545	546	542	542	543	1	13	42	570	6 38	523	47
20				542	541	540	541	543	541	536	540	548	564	574	582	582	582	572	559	545	544	530	540	540	542	540	537	550	0	13	35	585	18 08	526	59
21				540	541	536	536	541	546	537	531	532	543	554	552	564	564	562	546	533	527	536	543	542	541	541	545	543	1	12	10	573	17 28	524	49
22				540	534	536	536	541	541	533	528	543	559	569	572	573	574	560	544	536	533	534	544	544	544	543	540	546	1	13	11	583	7 12	516	67
23	✓	✓		536	536	535	536	540	540	535	541	550	562	573	582	582	583	574	555	536	529	531	536	539	538	536	536	548	0	12	40	585	17 28	528	57
24	✓	✓		536	536	535	536	539	540	534	535	546	554	561	573	583	584	575	557	543	533	531	535	537	540	540	535	547	0	13	08	591	18 08	530	61
25			✓	532	530	529	532	534	533	529	522	525	534	543	545	544	543	541	541	533	534	537	544	548	545	544	539	537	1	11	29	553	7 36	520	33
26			✓	534	533	531	533	521	523	526	533	554	554	564	573	563	566	565	556	544	533	544	550	549	547	542	543	545	1	10	55	581	4 43	514	67
27				541	535	534	534	531	531	540	552	564	575	580	580	574	569	566	554	537	535	540	543	544	542	543	535	549	0	11	09	584	4 53	525	59
28				533	532	531	532	533	534	528	524	527	537	550	556	560	552	547	538	522	523	535	541	541	542	545	536	537	0	12	40	562	16 58	519	43
29	✓			537	537	538	539	540	535	524	530	539	551	554	552	551	541	534	532	526	531	535	540	542	542	536	536	538	0	9	58	558	6 32	523	35
30	✓	✓		533	533	530	531	536	530	516	523	531	542	545	545	543	540	538	531	522	525	533	537	533	535	535	539	534	0	11	49	548	6 28	515	33
31	✓			536	535	533	534	535	524	515	533	555	573	580	566	558	550	542	531	527	527	531	535	536	536	536	536	540	0	10	40	584	6 10	512	72
MEANS ALL DAYS				538	537	536	537	539	538	535	538	543	549	557	565	567	566	563	551	539	536	537	542	543	543	541	540	545							53
MEANS TEN DAYS ✲				538	537	536	537	539	538	532	537	543	550	558	564	565	563	560	548	535	533	534	539	540	540	539	538	543							49
MEANS FIVE DAYS † (G. M. T.)				536	535	535	536	538	538	534	540	546	551	559	568	569	568	564	551	536	530	534 533	540 538	540	540	538	538	544							
MEANS FIVE DAYS ‡ (G. M. T.)				537	537	537	536	536	536	535	536	542	548	553	563	568	569	570	562	549	541	545	547	546	544	542	539	547							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 183

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1940 — NOVEMBER 1940

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				530	520	519	523	523	512	502	511	528	544	556	565	574	562	545	541	536	532	532	539	540	539	540	535	535	0	12	42	578	6 18	500	78
2	✓			533	525	521	525	532	531	525	532	544	552	559	570	568	554	545	542	534	531	533	540	543	543	543	538	540	0	11	48	572	2 08	520	52
3				533	529	528	528	530	524	513	522	540	557	567	575	575	569	552	541	532	538	544	549	550	544	539	534	542	0	11	48	580	6 16	510	70
4				531	531	530	529	532	522	515	525	540	558	574	594	603	586	591	572	556	554	555	556	552	549	545	539	552	1	12	01	615	6 18	513	102
5				535	533	532	530	531	532	530	543	552	560	572	586	588	573	556	536	531	532	534	543	544	540	538	534	545	1	12	18	590	6 14	522	68
6	✓			532	530	529	531	532	530	516	519	533	551	560	565	567	562	547	542	543	536	537	541	541	539	535	533	540	0	12	40	570	6 48	514	56
7				530	529	528	523	531	530	522	527	542	549	559	567	564	553	544	540	535	537	532	533	535	534	533	533	538	0	11	38	571	6 23	520	51
8	✓	✓		532	529	528	531	532	525	515	520	530	545	553	561	560	558	556	545	533	531	533	536	535	535	534	532	537	0	11	28	562	6 40	514	48
9				529	523	521	523	525	525	525	530	540	550	561	559	555	563	555	545	535	532	539	544	542	540	539	534	539	1	13	21	569	3 08	520	49
10	✓	✓		531	529	529	532	534	533	525	522	515	515	528	545	555	560	554	538	531	534	537	542	542	540	534	531	535	0	13	51	562	9 08	512	50
11	✓	✓		526	525	529	531	533	525	512	513	522	530	526	545	552	551	551	547	542	535	530	535	540	540	540	535	534	0	12	38	554	6 28	511	43
12			✓	533	532	532	533	535	530	523	533	549	573	573	571	564	564	569	563	552	536	539	542	550	549	545	546	547	2	10	48	589	6 35	520	69
13			✓	542	544	537	538	543	532	515	524	541	552	564	578	571	569	572	561	544	543	543	544	546	544	541	541	547	1	11	58	584	6 33	512	72
14				539	533	533	535	534	532	525	538	549	561	571	582	579	561	551	544	535	533	534	541	541	540	536	534	544	1	11	56	590	6 32	521	69
15				532	534	530	536	539	532	525	534	550	563	575	582	575	562	554	538	530	524	523	535	538	541	538	537	543	1	11	21	589	6 40	522	67
16				533	531	531	530	532	525	518	520	533	545	562	580	570	555	545	531	524	524	535	544	542	535	534	533	538	1	11	00	584	6 59	516	68
17				532	532	532	532	532	529	520	520	533	550	571	560	555	551	553	544	545	539	534	543	541	541	538	535	540	1	10	33	584	6 48	518	66
18	✓	✓		535	534	534	536	538	536	528	530	536	543	552	562	561	552	535	525	520	522	531	536	540	540	539	535	538	0	11	38	564	16 34	518	46
19	✓	✓		535	533	532	532	534	535	524	529	538	550	552	569	563	553	551	543	531	525	530	535	534	532	531	530	538	0	11	39	574	6 28	522	52
20				526	526	524	524	526	524	526	522	529	540	540	542	554	549	554	550	542	544	540	553	548	549	542	535	538	1	14	57	558	6 18	514	44
21				532	530	530	525	524	533	530	533	540	544	545	552	550	545	540	535	541	545	543	548	549	546	543	540	539	1	11	38	554	4 01	519	35
22			✓	525	521	513	521	526	525	529	542	570	581	582	581	578	563	553	544	544	548	543	545	550	536	533	534	545	1	10	15	587	2 41	510	77
23				521	515	512	513	520	530	526	535	555	564	565	563	560	562	551	539	534	539	538	541	540	540	539	535	539	1	9	57	572	2 48	502	70
24	✓			531	526	530	532	532	532	531	523	536	549	559	563	555	554	550	541	536	532	535	541	540	539	540	535	539	0	11	08	565	6 48	522	43
25			✓	533	530	525	525	514	525	509	502	515	524	535	515	539	556	562	550	546	543	550	550	543	543	537	530	533	1	14	00	565	11 27	488	77
26				522	519	513	511	522	519	516	530	544	553	556	555	559	554	551	541	532	528	534	536	534	534	535	535	535	1	10	57	565	3 42	503	62
27	✓			533	531	529	526	531	522	512	523	534	547	560	563	563	553	543	530	525	528	534	539	537	539	534	531	536	0	11	45	570	6 18	510	60
28	✓			531	530	528	529	529	522	520	530	543	556	563	568	560	551	544	536	535	533	540	545	545	544	541	535	540	0	11	41	570	6 08	519	51
29			✓	522	515	513	514	510	514	494	505	534	544	564	564	562	545	550	536	531	533	540	543	542	533	533	533	532	1	12	00	574	6 31	491	83
30				532	527	529	525	519	513	504	516	539	550	562	571	579	572	557	542	532	528	533	539	540	539	534	532	538	1	13	00	584	6 28	503	81
31																																			
MEANS ALL DAYS				531	528	527	527	529	527	519	525	538	550	559	565	565	559	553	543	536	535	537	542	542	540	538	535	540							62
MEANS TEN DAYS ✻				532	529	529	530	533	529	521	524	533	544	551	561	560	555	548	539	533	531	534	539	540	539	537	534	538							50
MEANS FIVE DAYS † (G. M. T.)				532	530	530	532	534	531	521	523	528	537	542	556	558	555	549	540	531	529	535 532	540 537	540	539	537	534	537							
MEANS FIVE DAYS ‡ (G. M. T.)				531	528	524	526	526	525	514	521	542	555	564	562	563	559	561	551	543	541	543	542	545	544	542	538	541							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

⌈ ⌉ = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 184

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1940 — DECEMBER 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				529	523	522	524	523	514	503	510	525	533	543	554	551	544	538	537	533	528	535	542	542	541	538	533	532	0	12	10	561	6 18	501	60
2				530	524	523	524	526	513	513	522	542	553	563	559	554	555	547	538	529	523	530	535	534	531	533	533	535	1	10	46	571	5 57	509	62
3				532	530	529	529	524	515	509	513	537	549	552	562	563	561	554	544	535	523	529	534	538	535	531	530	536	0	11	41	565	6 26	502	63
4	✓			528	521	522	526	527	519	518	528	539	559	562	562	560	554	541	529	524	522	524	531	533	534	532	533	534	0	11	08	568	6 02	513	55
5	✓			530	530	531	528	529	523	504	504	521	540	554	563	564	559	551	541	531	528	527	533	534	533	532	531	534	0	12	08	567	7 00	501	66
6	✓	✓		529	524	523	523	522	520	510	517	534	552	559	563	558	551	544	535	529	520	526	533	533	532	529	528	533	0	11	31	570	6 14	506	64
7	✓	✓		529	528	527	528	527	527	527	532	544	558	560	561	562	553	542	529	523	520	524	529	531	531	530	530	536	0	12	23	563	17 18	519	44
8	✓	✓		529	526	523	522	521	516	501	514	534	548	562	586	582	570	557	539	523	518	522	530	532	534	538	538	536	0	11	50	591	6 28	500	91
9				532	527	519	511	514	512	492	498	511	518	539	552	562	551	543	532	522	519	523	533	538	540	543	540	528	0	12	44	568	6 28	491	77
10				538	534	531	529	529	522	506	514	524	528	539	574	552	551	541	531	521	521	531	532	534	533	534	534	533	1	11	48	582	6 48	503	79
11	✓			533	533	536	533	534	530	522	536	552	560	568	580	580	562	549	535	528	517	522	525	533	536	538	539	541	1	12	10	586	17 47	512	74
12				538	538	538	535	534	532	523	533	543	549	563	583	589	574	561	543	524	518	517	524	522	524	532	531	540	0	12	38	592	18 00	515	77
13				532	528	533	534	519	521	519	524	543	554	563	577	582	572	557	544	528	518	522	531	532	532	532	532	539	1	12	48	583	4 36	512	71
14				531	528	530	532	529	529	516	518	528	539	548	566	567	550	536	542	547	536	533	539	538	537	533	534	537	0	11	48	576	7 18	513	63
15				531	531	532	529	530	524	512	523	544	552	555	553	549	543	542	534	532	523	528	531	537	539	535	532	535	0	10	08	563	6 38	510	53
16				526	524	524	530	524	521	505	518	539	554	562	562	562	554	539	524	527	529	531	536	535	533	532	529	534	1	12	26	574	6 28	502	72
17	✓			529	527	527	530	529	523	513	529	545	551	544	543	541	531	525	525	524	523	531	535	539	534	530	532	532	0	9	15	554	6 18	511	43
18	✓	✓		527	524	525	529	529	525	524	539	553	564	572	578	570	556	543	539	533	531	529	532	531	529	531	531	539	0	11	58	581	6 18	522	59
19	✓	✓		528	525	524	523	521	517	508	518	530	538	530	527	526	531	532	529	531	532	533	539	538	535	533	531	528	0	9	31	541	6 23	502	39
20			✓	524	520	518	516	513	502	492	517	533	553	568	574	581	560	546	541	539	533	540	549	544	544	539	531	537	1	12	15	602	6 08	490	112
21			✓	523	514	514	519	519	518	508	529	549	549	558	574	571	569	556	542	535	531	533	539	539	533	533	532	537	1	11	42	581	6 18	501	80
22			✓	528	520	514	512	503	499	489	502	528	553	567	560	542	540	538	533	530	528	532	533	534	533	532	530	528	1	10	24	578	6 28	483	95
23				523	522	523	519	519	515	510	523	539	541	552	555	548	545	531	523	524	526	534	538	539	538	534	531	531	1	11	18	565	6 28	506	59
24	✓			528	525	524	521	523	523	519	529	543	551	564	571	566	556	537	523	513	519	529	532	532	530	528	526	534	0	11	28	575	16 08	510	65
25				524	519	516	520	522	516	511	534	545	551	552	543	533	520	521	523	518	517	529	533	531	531	531	524	528	1	10	03	556	6 08	501	55
26				522	520	520	517	508	502	506	520	540	555	566	574	573	562	545	529	519	522	530	533	535	532	529	525	533	0	11	30	579	6 00	501	78
27				524	523	515	512	517	514	501	506	514	523	539	553	555	553	543	529	519	519	523	532	531	530	529	525	526	0	11	20	559	6 15	500	59
28				523	523	520	513	518	519	514	523	528	539	537	549	551	541	540	548	538	538	532	535	539	539	537	528	532	1	11	53	558	3 45	510	48
29				524	523	521	519	519	519	515	524	539	554	577	582	568	547	543	543	533	531	526	533	535	534	531	524	536	1	11	11	590	6 28	514	76
30			✓	511	510	504	504	509	509	511	507	535	554	578	578	582	569	551	533	529	538	540	548	549	544	532	523	535	1	12	17	597	6 28	489	108
31			✓	518	519	511	511	513	515	503	508	529	548	563	583	576	543	531	523	523	525	531	538	538	537	533	531	531	1	11	40	600	6 38	501	99
MEANS ALL DAYS				528	525	523	523	522	518	510	520	536	547	557	565	562	552	543	534	528	525	529	534	535	534	533	531	534							69
MEANS TEN DAYS ✱				529	526	526	526	526	522	515	525	540	552	558	563	561	552	542	532	526	523	527	532	534	533	532	532	535							60
MEANS FIVE DAYS † (G. M. T.)				528	525	524	525	524	521	514	524	539	552	557	563	560	552	544	534	528	524	527 527	532 533	534	532	530	530	534							
MEANS FIVE DAYS ‡ (G. M. T.)				521	517	512	512	511	509	501	513	535	551	567	574	570	556	544	534	531	531	535	542	541	538	534	528	534							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 185

HORIZONTAL INTENSITY

JANUARY 1940

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JANUARY 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				526	526	526	531	535	537	549	578	629	691	730	729	700	642	600	544	519	524	515	501	496	491	501	504	568	0	10	29 744	21	19 486	258
2				516	513	512	518	516	518	528	563	606	618	657	664	654	620	577	549	525	518	518	524	524	518	508	499	553	0	11	19 668	23	22 495	173
3			✓	497	499	504	510	510	516	521	541	574	668	727	545	421	459	473	457	465	463	449	452	461	467	467	473	505	1	9	51 808	12	01 182	626
4				466	464	466	470	471	477	479	499	541	611	651	630	628	602	587	512	485	490	497	508	508	500	483	509	522	1	10	12 681	6	49 448	233
5				501	504	508	506	507	517	533	546	577	600	601	598	586	563	554	534	516	511	498	501	497	497	497	495	531	1	9	53 614	23	33 491	123
6				494	498	501	505	509	522	525	537	546	568	558	554	564	552	567	547	541	526	523	511	522	519	520	521	530	1	10	07 597	0	51 489	108
7				524	516	513	517	522	526	530	552	592	612	619	617	573	538	515	524	511	504	516	516	520	522	515	516	538	1	10	22 646	16	53 476	170
8				515	520	521	520	520	530	554	584	627	668	676	654	609	561	519	504	512	516	524	527	530	526	522	521	552	0	10	27 691	15	36 496	195
9				523	524	522	522	524	531	548	587	616	677	695	644	615	572	505	462	468	510	525	528	523	513	518	527	549	0	9	52 722	15	38 439	283
10			✓	525	522	523	522	522	538	572	620	626	655	575	564	461	426	351	405	462	469	479	485	489	495	496	500	512	1	9	30 765	14	16 312	453
11			✓	502	503	503	500	497	501	517	558	626	670	716	698	644	669	535	461	453	451	475	468	462	465	474	481	535	1	13	03 767	15	25 416	351
12				485	508	509	516	511	504	524	552	615	666	665	644	621	537	493	458	460	493	506	509	503	500	505	505	533	1	10	06 712	15	29 436	276
13	✓			503	503	503	504	510	518	537	578	632	681	697	688	649	587	523	506	518	527	523	519	516	515	514	515	553	0	10	37 709	1	09 501	208
14	✓	✓		514	513	516	516	512	509	518	548	607	669	705	706	661	608	542	506	513	522	521	510	495	496	509	518	551	0	11	22 716	20	19 492	224
15	✓			519	519	520	520	522	526	533	554	584	633	655	668	670	636	592	544	540	537	544	537	525	529	530	529	561	0	12	10 679	17	13 516	163
16				521	519	527	535	537	538	538	547	571	610	665	675	673	603	567	549	530	516	516	516	518	517	513	520	555	1	10	56 717	18	01 504	213
17				512	522	526	525	531	536	549	569	597	584	581	666	608	587	568	525	518	511	489	496	503	502	504	504	542	1	11	27 693	18	35 481	212
18			✓	502	505	505	516	520	537	539	568	629	640	657	614	571	466	426	456	466	457	451	455	457	463	466	469	514	1	9	54 720	14	27 389	331
19				467	467	468	469	471	474	479	497	539	574	601	597	601	574	586	576	554	522	500	493	491	493	492	490	520	1	11	01 631	0	25 464	167
20	✓			499	499	498	499	501	504	514	529	558	584	604	611	622	611	554	547	527	512	507	505	506	505	505	507	534	0	11	46 657	2	46 497	160
21	✓	✓		508	508	509	509	507	505	502	507	545	599	611	629	622	606	601	580	547	523	513	512	510	511	512	511	541	0	10	59 636	6	48 497	139
22				511	516	520	520	523	526	528	538	567	612	651	653	647	616	574	555	544	533	536	532	526	526	527	529	555	0	12	30 694	0	40 508	186
23	✓			530	532	530	527	529	541	543	544	581	601	626	629	612	611	608	573	535	509	509	506	506	502	491	498	549	0	11	12 645	22	58 481	164
24				507	510	513	519	517	514	524	533	562	578	606	563	494	464	512	482	491	505	510	506	498	501	484	492	516	1	10	21 623	13	19 435	188
25				491	495	499	507	506	511	522	562	619	622	626	606	537	512	522	550	539	533	523	519	518	518	518	518	536	1	8	20 654	0	03 487	167
26	✓	✓		516	516	516	513	512	513	521	546	607	668	678	639	573	511	507	501	517	531	532	526	526	531	525	523	544	0	10	02 686	14	52 490	196
27	✓	✓		512	519	523	529	529	528	535	551	590	652	692	696	660	599	546	523	522	527	530	531	528	528	525	525	558	0	10	09 715	0	48 507	208
28	✓	✓		524	526	527	529	532	536	544	561	596	637	675	695	680	639	602	561	538	532	531	531	520	515	514	511	565	0	11	22 701	23	34 510	191
29	✓			513	515	517	519	524	520	519	515	564	610	648	666	642	590	554	557	555	537	519	504	496	492	503	510	545	0	11	17 701	21	28 487	214
30				513	522	533	532	531	527	523	503	530	605	660	629	673	688	646	621	561	540	520	526	520	513	518	516	560	1	13	37 729	7	53 491	238
31			✓	512	524	539	524	532	532	527	521	529	542	636	641	635	639	640	575	534	513	485	462	470	486	492	500	541	1	10	50 698	19	06 452	246
MEANS ALL DAYS				508	511	513	514	516	520	528	548	587	626	650	639	610	577	547	524	515	512	509	507	505	505	505	508	541						228
MEANS TEN DAYS ✱				514	515	516	516	518	520	527	543	586	633	659	663	639	600	563	540	531	526	523	518	513	512	513	515	550						187
MEANS FIVE DAYS † (G. M. T.)				515	516	518	519	518	518	524	543	589	645	672	673	639	593	560	534	527	527	523 525	520 522	519	519	517	518	552						
MEANS FIVE DAYS ‡ (G. M. T.)				508	511	515	514	516	525	535	562	597	635	662	612	546	532	485	471	476	471	468	512	512	508	509	509	529						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 186

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1940 — FEBRUARY 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	497	507	511	509	515	514	501	501	527	576	604	636	642	561	542	482	484	480	503	507	497	494	500	502	525	1	12	39	674	15	17	467	207
2			✓	502	499	507	514	514	509	508	511	540	585	595	617	652	630	610	583	554	524	516	520	514	515	512	510	543	0	12	41	673	1	57	496	177
3			✓	507	507	508	508	512	509	505	518	535	605	585	590	594	522	522	525	512	510	513	511	511	511	510	509	527	0	9	46	634	6	50	503	131
4	✓			508	508	508	509	509	511	518	536	583	633	680	665	611	589	565	541	535	530	515	516	515	515	514	513	547	0	10	42	688	4	24	506	182
5	✓			516	520	516	517	515	515	523	549	594	628	641	642	625	587	551	520	496	498	509	509	507	501	499	503	541	0	10	18	652	16	39	491	161
6				505	505	507	512	522	526	550	581	601	617	649	643	634	544	512	473	473	494	501	493	496	504	504	501	535	0	10	32	666	15	46	455	211
7				500	506	512	513	517	517	523	556	584	627	633	609	575	565	541	530	522	523	523	517	519	513	509	506	539	0	10	33	649	0	12	498	151
8				504	503	501	505	508	515	528	558	622	675	674	660	625	553	527	471	476	490	484	480	474	474	487	484	532	0	9	46	699	15	31	460	239
9				487	489	494	499	504	505	514	534	571	600	633	606	588	555	530	530	533	527	516	509	503	503	500	504	531	0	10	11	661	0	09	484	177
10	✓			503	501	503	507	509	512	524	555	611	663	684	654	636	571	472	478	472	482	506	516	515	522	520	518	539	0	12	07	691	14	41	449	242
11				517	519	521	526	518	529	534	536	575	635	645	637	623	611	567	519	492	471	462	475	483	492	487	482	536	0	9	46	670	18	09	456	214
12			✓	494	503	500	503	505	507	513	531	578	584	630	550	569	566	566	569	548	528	519	509	506	508	515	514	534	1	10	34	706	0	00	485	221
13				511	515	518	526	520	523	527	555	596	644	675	690	681	649	613	549	537	525	523	518	515	516	516	515	561	0	11	34	697	0	41	509	188
14	✓	✓		517	517	521	518	513	516	496	490	525	574	616	633	631	607	591	575	562	536	517	516	520	527	522	519	544	0	12	10	654	7	02	478	176
15	✓			519	520	518	520	524	527	512	513	545	584	624	632	647	645	630	595	561	542	534	532	521	521	520	516	554	0	12	36	654	6	43	502	152
16				518	522	524	523	525	526	519	512	534	590	632	641	634	641	623	585	552	522	522	524	524	520	520	514	552	0	11	13	679	8	17	497	182
17	✓	✓		513	514	516	521	522	522	514	520	559	603	659	667	656	649	609	570	544	531	530	530	527	524	523	520	556	0	13	41	698	6	55	509	189
18	✓	✓		520	520	517	523	524	528	528	537	567	601	621	634	632	621	602	579	564	545	534	533	534	536	534	533	557	0	12	14	647	2	33	516	131
19	✓	✓		532	533	535	535	535	535	537	547	571	597	630	653	657	649	622	589	567	559	542	524	486	459	461	476	555	0	11	39	667	21	40	452	215
20				484	497	505	516	523	525	533	535	556	555	575	575	551	569	558	528	528	522	507	495	490	489	483	491	525	1	11	52	604	22	12	473	131
21				496	494	503	505	507	508	501	482	519	547	604	576	574	571	563	553	537	516	498	494	494	479	482	485	520	1	10	23	622	7	26	470	152
22				485	488	502	510	504	503	504	512	545	554	575	585	571	553	534	536	524	513	495	487	486	493	496	493	519	0	11	28	596	19	54	481	115
23				484	493	497	498	501	505	504	517	540	553	557	577	579	578	559	526	496	469	450	465	458	464	463	461	508	0	13	50	584	18	13	448	136
24				465	469	475	479	487	492	491	515	561	579	610	609	558	563	554	540	531	526	493	474	448	448	456	457	512	1	11	32	638	20	46	432	206
25			✓	468	467	472	477	489	515	512	509	558	577	606	619	636	525	564	530	517	503	494	489	494	493	499	500	521	1	12	32	693	13	05	367	326
26				501	501	507	509	499	498	497	507	535	574	605	628	636	625	595	541	526	520	515	511	509	503	493	494	535	0	12	19	650	22	42	488	162
27	✓	✓		494	500	505	506	508	510	516	541	578	620	655	652	643	625	591	569	557	544	527	519	518	516	516	518	551	0	10	49	675	0	06	492	183
28	✓			519	521	523	523	524	527	529	535	572	618	640	670	650	644	616	594	560	539	536	532	524	524	520	515	561	0	11	02	681	23	56	507	174
29				514	516	525	525	529	527	520	522	535	554	637	630	640	638	616	593	565	536	523	522	519	518	516	516	552	0	10	39	674	8	23	503	171
30																																		
31																																		
MEANS ALL DAYS				503	505	509	512	513	516	517	528	563	598	627	627	619	593	571	544	529	517	511	508	504	503	503	502	538								183
MEANS TEN DAYS ✻				514	515	516	518	518	520	520	532	570	612	645	650	639	619	585	561	542	531	525	523	517	514	513	513	551								180
MEANS FIVE DAYS † (G. M. T.)				515	517	519	521	520	522	518	527	560	599	636	648	644	630	603	576	559	543	525 530	523 524	522	520	517	515	554								
MEANS FIVE DAYS ‡ (G. M. T.)				494	497	500	502	507	511	508	514	548	585	604	602	619	561	561	538	523	509	509	488	482	487	489	490	526								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 187

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1940 — MARCH 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				523	513	513	519	524	525	527	546	575	608	646	667	668	655	622	591	568	547	532	526	524	524	520	516	562	0	12 38	685	1 56	508	177
2	✓			518	519	519	519	522	523	514	493	495	533	568	598	609	615	597	589	567	547	535	530	525	523	518	511	541	0	13 18	623	8 11	483	140
3				519	516	519	518	521	527	528	536	571	610	623	629	617	614	602	588	560	547	532	526	523	525	526	524	554	0	10 52	648	0 01	512	136
4	✓			523	518	516	516	523	529	538	558	604	631	666	669	655	643	616	586	568	543	521	514	510	509	515	512	562	0	11 09	687	20 56	506	181
5	✓			513	514	517	520	519	520	521	526	567	602	646	660	660	633	592	570	556	546	538	532	528	525	523	522	556	0	11 48	664	0 00	510	154
6	✓	✓		521	522	525	529	531	533	541	560	603	655	683	684	684	650	621	593	566	548	532	532	532	527	517	513	571	0	11 21	706	23 21	508	198
7	✓	✓		515	519	519	520	527	531	531	541	575	602	639	648	644	637	618	597	576	551	529	521	516	508	505	508	557	0	11 22	658	22 20	502	156
8				508	511	514	512	512	510	510	526	570	606	614	599	562	526	525	513	480	475	442	438	423	445	452	444	509	0	10 01	620	20 27	411	209
9				456	458	463	466	470	478	484	497	533	571	594	578	552	526	509	509	508	504	493	495	492	492	489	489	504	1	10 57	603	0 25	447	156
10	✓			488	488	489	495	500	498	500	528	584	642	680	681	658	596	554	519	516	523	518	511	514	516	510	506	542	0	10 52	686	1 56	486	200
11	✓	✓		504	506	507	509	512	511	512	529	570	623	662	668	658	627	585	562	546	538	530	525	522	520	518	517	553	0	10 28	674	0 15	502	172
12				519	521	522	525	529	535	538	561	603	655	704	691	653	599	553	505	463	456	482	485	478	483	481	486	543	0	11 14	719	17 33	446	273
13				485	485	493	496	493	494	487	495	530	590	617	628	641	623	595	563	535	501	488	491	497	501	499	487	530	0	12 07	651	1 26	482	169
14				485	484	491	491	505	508	505	521	564	612	646	639	619	608	583	555	532	522	515	512	512	509	510	509	539	0	10 46	658	0 05	482	176
15	✓	✓		506	504	507	510	514	516	515	528	565	608	647	675	681	664	623	582	551	534	525	521	520	518	516	510	556	0	11 52	684	1 13	504	180
16				505	510	516	519	523	520	519	515	542	559	612	637	638	629	601	559	527	508	507	506	507	506	505	503	541	0	12 24	649	23 58	502	147
17	✓			503	507	510	510	511	513	509	520	558	600	640	654	659	650	630	603	569	539	527	521	519	517	514	512	554	0	12 18	663	0 00	502	161
18	✓	✓		515	519	521	525	527	530	527	535	563	602	638	661	665	642	618	591	574	561	549	540	534	530	522	508	562	0	12 39	667	0 00	511	156
19				498	500	510	506	519	527	520	534	586	619	640	606	570	550	493	517	507	482	445	433	459	458	444	453	516	1	10 27	673	19 16	416	257
20				470	481	495	501	499	508	500	499	529	550	597	646	615	616	579	524	516	507	487	481	473	485	492	489	522	1	11 32	683	0 00	459	224
21				486	491	496	501	505	508	510	520	546	577	578	611	622	621	611	574	553	528	510	503	497	491	483	493	534	0	12 31	650	22 16	480	170
22				495	496	500	510	512	512	516	539	568	600	617	639	626	607	578	537	523	505	507	507	502	502	507	506	538	0	11 36	648	0 14	493	155
23				515	540	541	512	489	521	501	543	608	644	650	660	589	573	561	566	479	410	392	412	435	454	444	453	520	1	11 22	718	18 30	375	343
24			✓	459	457	466	482	474	474	486	516	557	582	819	618	422	245	93	132	147	117	98	143	248	217	202	293	364	2	10 46	1377	14 41	-18	1395
25			✓	288	245	268	275	298	338	295	352	439	491	521	527	539	504	481	489	386	335	327	274	332	312	310	348	374	2	15 15	590	1 57	203	387
26				348	368	370	375	380	376	385	415	454	502	566	604	618	580	498	487	468	448	432	445	420	374	392	392	446	1	12 50	651	0 01	332	319
27				403	405	412	428	435	443	439	437	473	534	580	686	719	653	601	541	467	437	421	430	424	438	413	423	485	1	11 52	754	0 13	385	369
28				440	443	450	449	448	443	436	452	496	541	581	610	595	597	555	527	497	468	454	457	448	445	444	440	488	1	11 42	626	6 06	432	194
29			✓	446	451	455	456	458	455	439	414	473	520	567	810	596	376	191	319	354	277	228	276	273	255	186	289	398	2	11 30	961	14 10	13	948
30			✓	285	254	309	357	374	371	347	337	315	376	446	483	466	456	468	430	391	386	359	364	426	406	391	393	383	2	10 59	544	1 09	210	334
31			✓	401	413	413	415	427	372	240	236	231	363	496	531	435	373	413	410	415	398	374	377	370	405	381	377	386	2	10 46	651	7 30	174	477
MEANS ALL DAYS				472	473	479	483	486	489	481	494	531	574	619	635	611	577	541	523	499	477	462	462	467	465	459	465	509						281
MEANS TEN DAYS ✱				511	512	513	515	519	520	521	532	568	610	647	660	657	636	605	579	559	543	530	525	522	519	516	512	555						170
MEANS FIVE DAYS (G. M. T.) †				512	514	516	519	522	524	525	539	575	618	654	667	666	644	613	585	563	546	526 533	522 528	521	519	515	512	559						
MEANS FIVE DAYS (G. M. T.) ‡				376	364	382	397	406	402	361	371	403	466	570	594	492	391	329	356	339	303	277	330	366	355	333	374	389						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 188

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

APRIL 1940 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) APRIL 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	394	429	411	410	434	447	395	390	442	512	504	509	531	528	509	488	457	435	425	424	430	432	430	429	450	1	11 04	582	7 16	373	209
2			✓	430	436	432	438	439	438	434	448	478	516	553	577	573	565	516	410	395	383	406	425	393	343	292	366	445	1	13 32	615	22 40	275	340
3			✓	370	370	379	379	390	404	432	457	477	561	567	566	538	524	513	486	484	452	443	436	432	431	430	430	456	2	10 10	641	0 59	342	299
4				433	436	434	447	447	456	458	489	543	615	640	609	561	517	498	483	492	486	478	481	477	474	459	467	495	0	10 11	653	2 48	432	221
5				467	464	461	465	470	473	486	518	566	619	651	649	613	581	544	511	505	488	474	475	474	473	472	484	516	0	10 33	656	2 22	458	198
6				486	478	473	471	467	467	479	504	548	595	618	619	592	555	524	500	497	492	488	487	485	481	481	480	511	0	10 59	625	4 41	466	159
7	✓	✓		480	480	483	484	482	483	493	522	565	607	632	628	596	564	533	517	516	504	493	490	489	486	485	483	521	0	10 47	641	0 22	479	162
8	✓	✓		484	484	485	488	486	494	502	529	571	612	650	643	600	585	551	537	525	511	499	492	488	486	485	484	528	0	10 48	664	1 53	483	181
9	✓	✓		485	488	490	490	491	494	497	521	567	609	641	641	623	579	530	511	510	509	501	495	494	493	493	491	527	0	10 58	653	0 03	483	170
10	✓	✓		490	493	495	495	497	498	504	532	572	620	654	659	638	595	551	536	529	520	505	503	501	499	497	493	536	0	11 18	662	0 42	488	174
11	✓			494	493	500	506	509	503	512	542	574	612	649	666	628	600	561	537	527	515	507	504	503	502	503	502	540	0	11 09	687	1 14	492	195
12	✓	✓		503	504	507	505	508	509	512	534	570	611	647	660	643	617	592	570	544	523	514	503	498	493	489	477	543	0	11 26	666	23 29	473	193
13				492	498	505	507	512	506	505	508	524	521	543	607	585	576	559	534	513	497	492	489	489	477	477	462	516	0	11 22	637	23 48	458	179
14				459	481	498	485	489	494	493	500	517	573	622	641	617	599	570	533	517	503	484	473	470	472	479	477	519	0	11 08	657	0 00	458	199
15				470	470	473	485	500	506	498	507	509	586	557	540	577	561	540	517	495	482	473	454	435	438	444	478	500	1	12 27	612	20 15	430	182
16				473	466	479	481	486	488	499	522	551	585	601	613	579	534	521	506	505	502	486	481	476	472	486	481	511	1	11 13	620	1 33	464	156
17				478	490	487	483	484	482	494	515	537	572	597	602	594	562	533	517	508	498	488	486	483	484	478	480	514	0	11 04	615	23 30	476	139
18	✓			482	482	484	486	490	490	496	510	546	590	628	638	629	585	543	526	529	521	511	503	490	479	469	466	524	0	11 50	644	23 17	465	179
19	✓			475	485	494	497	494	498	515	534	557	586	620	609	599	572	546	542	535	516	507	512	507	498	498	507	529	0	10 37	635	0 00	469	166
20				501	503	496	507	520	522	531	559	612	627	645	667	653	595	556	534	539	521	512	534	536	524	518	514	551	1	11 39	680	2 33	483	197
21				509	515	519	523	524	524	536	548	584	612	633	642	625	601	562	519	499	483	474	478	472	461	457	458	532	1	11 37	654	22 24	453	201
22				465	467	481	491	482	476	484	508	565	597	612	631	604	585	547	522	507	492	486	486	475	486	487	486	518	0	11 56	656	0 00	456	200
23	✓			486	489	488	490	494	495	503	529	545	593	625	626	606	572	541	514	491	477	454	449	463	472	476	480	515	0	10 35	630	18 55	445	185
24	✓			483	485	489	490	491	494	498	524	560	585	617	627	615	606	578	545	519	506	501	497	495	510	493	402	525	0	11 22	647	23 48	359	288
25			✓	385	417	433	449	460	470	481	493	515	543	582	580	555	546	482	398	354	356	340	377	383	409	403	392	450	2	12 53	632	18 46	322	310
26			✓	399	428	422	429	441	448	438	444	462	479	515	552	583	557	514	478	448	433	421	419	420	420	430	434	459	1	12 42	594	0 00	392	202
27				436	444	449	453	454	453	449	463	506	547	578	604	587	560	514	491	481	475	472	463	468	465	467	472	490	0	11 33	613	0 00	430	183
28				473	479	482	483	480	481	479	485	513	561	585	579	569	553	534	514	507	496	472	481	453	453	461	479	502	0	10 31	596	20 34	448	148
29				474	467	474	477	480	485	488	495	504	539	566	569	587	567	544	527	515	502	497	493	491	491	496	497	509	0	11 57	597	1 19	462	135
30				495	492	492	496	502	506	499	505	537	589	613	623	620	610	572	551	519	493	481	473	473	477	476	479	524	0	10 47	641	19 42	466	175
31																																		
MEANS ALL DAYS				465	470	473	476	480	483	486	504	537	579	605	613	597	572	539	512	499	486	476	475	471	469	467	468	508						198
MEANS TEN DAYS *				486	488	492	493	494	496	503	528	563	602	636	640	618	588	553	534	522	510	499	495	493	492	489	478	529						189
MEANS FIVE DAYS (G. M. T.) †				488	490	492	492	493	496	502	528	569	612	645	646	620	588	551	534	525	513	498 502	494 497	492	490	489	488	531						
MEANS FIVE DAYS (G. M. T.) ‡				396	416	415	421	433	441	436	446	475	522	544	557	556	544	507	452	428	412	407	420	414	420	400	393	452						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 189

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1940 — MAY 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			482	481	480	490	489	491	497	510	542	564	602	605	604	557	522	512	507	500	489	482	476	471	464	471	512	0	12	14	619	22 14	463	156
2	✓			487	479	483	487	490	491	502	527	565	598	636	644	634	603	570	538	514	501	496	493	487	489	496	488	529	0	10	37	650	1 33	477	173
3	✓	✓		489	492	494	504	500	495	488	494	524	554	583	598	595	572	546	525	514	510	503	495	491	498	498	497	519	0	11	43	602	6 36	484	118
4	✓	✓		497	501	508	507	507	510	512	525	545	580	610	615	607	583	554	529	520	514	507	499	501	499	502	504	531	0	11	12	621	0 00	495	126
5	✓			504	504	502	504	506	516	526	535	556	590	620	626	610	592	564	527	518	512	508	505	505	506	504	503	535	0	11	17	636	2 47	500	136
6	✓	✓		504	507	512	514	516	518	530	552	584	616	649	657	647	617	583	553	534	525	518	515	514	516	518	510	550	0	11	48	660	0 00	503	157
7	✓			512	498	503	503	502	503	501	518	553	594	624	623	612	579	546	525	505	501	501	497	497	489	495	499	528	0	10	21	630	21 05	484	146
8	✓			505	506	511	514	518	516	517	527	550	586	602	611	603	580	556	529	518	517	515	506	500	502	488	473	531	0	10	46	619	24 00	459	160
9				458	481	491	498	502	504	512	521	532	517	529	576	589	580	558	540	531	519	511	308	508	506	507	504	520	1	12	22	597	0 24	453	144
10				494	506	499	499	522	508	517	517	514	540	563	586	571	558	541	513	495	484	482	477	468	482	478	500	513	1	11	14	603	20 09	463	140
11				488	485	500	498	500	502	498	500	505	525	546	547	555	555	560	531	508	501	497	491	480	479	489	496	510	1	12	00	571	21 27	474	97
12				485	509	500	490	487	490	490	495	524	557	600	606	609	599	560	532	513	491	470	472	470	475	485	489	517	1	12	06	617	20 09	465	152
13				491	498	497	497	497	496	493	500	528	545	574	618	635	607	563	517	484	479	476	464	462	471	484	488	515	0	11	59	651	20 09	453	198
14				487	496	492	495	493	500	495	491	501	535	579	587	588	583	553	516	506	498	493	494	496	497	507	500	516	1	12	52	635	7 02	480	155
15				485	481	485	485	487	496	494	499	508	558	565	567	587	584	542	509	495	482	460	456	455	474	484	487	505	1	12	59	616	20 16	447	169
16				491	496	499	502	502	503	506	515	531	548	561	564	558	541	519	518	520	519	509	507	509	507	501	500	518	0	11	09	567	0 00	488	79
17				498	509	507	508	514	517	520	532	567	593	613	643	619	587	532	513	490	482	476	472	482	461	460	467	523	0	11	43	667	22 09	453	214
18			✓	474	459	457	505	461	462	483	474	459	513	555	572	573	545	524	503	485	475	467	459	455	465	472	472	490	1	11	26	602	8 17	423	179
19				471	472	472	483	479	481	495	516	552	585	611	622	624	585	562	528	501	496	495	494	491	485	486	485	520	0	12	06	634	2 33	467	167
20				479	485	486	492	495	500	505	525	546	589	582	610	577	588	571	542	512	501	499	498	500	498	488	482	523	0	10	55	630	24 00	471	159
21				478	482	486	489	495	500	511	512	515	526	545	561	577	577	556	523	509	502	508	506	490	475	458	474	511	0	13	36	585	22 13	453	132
22			✓	464	482	467	458	474	470	467	474	502	538	549	558	561	572	550	522	498	491	487	486	483	480	480	483	500	1	13	35	583	0 14	452	131
23			✓	483	487	489	496	498	508	513	533	565	598	610	631	630	666	600	516	506	501	503	508	501	499	489	486	534	1	12	57	746	24 00	451	295
24			✓	442	452	456	451	465	488	452	430	433	478	532	525	567	545	484	459	446	452	447	445	450	480	475	468	472	1	12	34	591	7 31	392	199
25				470	474	479	486	489	489	477	461	481	510	538	564	577	569	536	507	499	491	489	489	496	493	476	472	500	1	12	37	597	7 27	456	141
26			✓	495	497	482	488	495	500	502	504	511	531	539	595	558	526	500	471	450	431	425	439	433	431	445	460	488	1	11	46	604	18 35	421	183
27				493	481	478	482	488	491	494	504	500	501	518	530	542	532	521	522	512	481	474	466	467	457	465	452	494	1	12	17	558	23 45	448	110
28				461	475	493	485	489	493	502	522	544	574	564	559	534	525	518	509	497	494	487	478	477	475	478	485	505	1	9	35	590	0 00	451	139
29				491	487	492	493	497	502	509	525	553	587	601	615	607	577	541	522	506	493	488	489	491	492	493	495	523	0	11	26	623	1 17	486	137
30	✓	✓		495	495	499	502	503	503	514	536	570	606	634	641	626	585	557	524	507	500	497	495	496	491	491	494	532	0	11	31	644	21 36	490	154
31	✓	✓		498	502	501	504	504	508	519	531	549	569	591	607	607	588	561	537	521	510	507	506	505	504	505	506	531	0	11	39	609	0 00	496	113
MEANS ALL DAYS				486	489	490	494	496	498	501	510	529	558	581	596	593	576	547	520	504	495	490	487	485	485	486	487	516							154
MEANS TEN DAYS ✱				497	496	499	503	504	505	511	526	554	586	615	623	614	586	556	530	516	509	504	499	497	496	496	494	530							144
MEANS FIVE DAYS † (G. M. T.)				497	499	503	506	506	507	513	528	554	585	613	624	616	589	560	534	519	512	498 506	495 502	494	495	496	495	531							
MEANS FIVE DAYS ‡ (G. M. T.)				472	475	470	480	479	486	483	483	494	532	557	576	578	571	532	494	477	470	466	492	490	482	473	476	499							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
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△ = RECORD OFF SHEET
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⊼ = NO RECORD

TABLE 190

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1940 — JUNE 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓	✓		506	508	509	515	517	521	538	560	578	597	610	607	594	576	552	527	514	509	507	506	501	492	474	470	533	0	10	49	612	23	35	468	144
2				473	482	495	500	502	506	527	551	570	585	571	551	542	549	529	513	500	490	483	487	490	495	498	499	516	0	9	53	603	0	09	471	132
3	✓			502	505	511	514	515	518	525	549	548	570	590	600	593	571	551	530	522	514	508	495	497	497	501	502	530	0	11	51	619	19	31	492	127
4	✓	✓		503	506	510	512	516	523	534	547	574	603	621	627	609	588	567	550	540	527	524	524	518	518	521	519	545	0	11	26	634	0	35	502	132
5				511	514	515	516	512	521	536	568	581	595	615	616	611	598	569	535	518	489	479	449	423	433	434	461	525	0	11	12	630	20	57	419	211
6			✓	445	435	454	460	491	480	476	474	508	550	558	563	572	519	485	456	438	424	413	428	447	432	432	475	476	1	12	16	591	18	13	409	182
7			✓	479	470	475	478	487	491	490	498	533	532	544	546	538	515	514	491	480	486	475	482	462	467	475	476	495	1	11	53	566	20	34	452	114
8				497	494	486	489	493	497	514	536	574	574	619	615	615	594	552	510	491	479	489	493	493	490	494	494	524	1	11	07	651	17	34	474	177
9				481	489	493	491	500	508	497	512	548	575	596	603	599	575	546	505	497	492	481	490	495	489	489	487	518	0	12	03	624	0	29	478	146
10	✓			491	489	504	503	505	506	512	527	543	564	575	584	585	573	554	538	517	509	501	499	498	503	501	501	524	0	12	43	588	1	26	487	101
11	✓	✓		501	504	506	506	506	512	525	549	567	584	592	582	576	556	544	524	511	507	508	507	503	500	503	505	528	0	10	11	597	21	14	497	100
12	✓			506	508	510	511	510	511	521	538	575	610	617	634	635	622	603	567	547	527	520	516	514	514	515	514	548	0	12	32	647	0	20	505	142
13	✓			514	515	518	520	521	523	536	551	564	585	595	600	590	570	561	550	539	522	514	513	512	514	522	523	540	0	12	06	606	20	42	510	96
14			✓	523	519	517	539	530	528	537	566	579	611	630	629	648	558	507	445	418	402	395	402	406	432	445	471	510	1	11	58	727	17	57	390	337
15			✓	462	454	482	461	461	481	483	475	514	506	546	530	498	514	501	495	492	487	485	481	466	476	469	478	487	1	10	37	572	1	04	446	126
16				484	482	486	493	497	497	506	518	548	555	576	589	569	543	534	515	501	490	485	488	485	484	486	479	512	0	11	32	604	23	54	476	128
17				480	502	495	480	485	491	506	535	561	547	548	576	572	536	528	520	500	497	491	491	493	489	480	465	511	1	12	06	588	23	52	453	135
18				453	468	470	479	485	479	503	534	560	573	580	571	558	549	532	512	509	498	494	491	491	491	505	496	512	1	10	39	583	0	59	441	142
19				482	484	490	493	492	496	510	530	550	584	584	576	562	539	520	510	501	493	490	493	493	493	491	493	515	0	10	13	607	0	31	475	132
20	✓	✓		488	489	493	497	499	499	513	540	576	610	630	635	616	582	538	513	509	506	507	502	500	499	498	495	531	0	11	14	642	0	38	487	155
21	✓	✓		493	494	496	501	503	507	521	549	577	597	609	609	594	572	548	529	512	506	504	503	504	506	505	504	531	0	10	34	613	0	31	490	123
22				508	500	499	503	507	514	543	577	583	578	569	576	579	564	551	533	515	501	499	482	466	476	486	490	525	0	8	40	594	20	30	462	132
23				496	497	501	503	507	509	526	537	549	555	567	579	575	572	546	526	500	492	495	494	512	498	484	488	521	0	11	17	591	23	12	468	123
24				498	486	492	507	511	508	514	517	532	545	572	560	565	560	543	529	501	477	477	474	483	481	493	453	512	1	12	59	583	22	49	448	135
25			✓	459	459	478	494	494	468	496	446	441	319	298	266	465	455	456	388	408	417	417	417	419	428	422	439	427	2	8	52	646	11	04	222	424
26				427	436	441	445	453	462	472	488	513	539	550	545	556	511	502	473	473	468	452	458	468	465	462	453	480	1	12	28	678	0	19	421	257
27				455	458	461	459	462	466	482	493	523	541	571	584	572	545	520	497	482	476	474	474	474	469	469	470	495	0	11	17	589	0	07	453	136
28	✓			472	473	476	477	478	481	486	500	524	551	567	589	588	545	521	503	502	503	501	497	493	490	487	487	508	0	12	17	611	0	32	470	141
29				487	490	496	498	502	503	510	529	555	579	588	573	538	566	534	510	517	521	513	503	494	477	465	462	517	0	10	03	592	22	03	456	136
30				472	477	483	484	468	489	495	502	525	547	545	547	554	512	507	500	494	487	479	472	466	484	470	477	498	1	10	06	560	20	40	463	97
31																																				
MEANS ALL DAYS				485	486	491	494	498	500	511	527	549	562	574	575	576	554	534	510	498	490	485	484	482	483	483	484	513								155
MEANS TEN DAYS ✲				498	499	503	506	507	510	521	541	563	587	601	607	598	576	554	533	521	513	509	506	504	503	503	502	532								126
MEANS FIVE DAYS † (G. M. T.)				498	500	503	506	508	512	526	549	574	598	612	612	598	575	550	529	517	511	503 510	499 508	499	499	499	499	533								
MEANS FIVE DAYS ‡ (G. M. T.)				474	467	481	486	493	490	496	492	515	504	515	507	544	512	493	455	447	443	437	453	454	458	465	477	482								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 191

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1940 — JULY 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				476	481	488	492	495	501	512	521	549	564	572	577	557	533	524	516	515	505	495	494	492	490	489	489	514	0	10 57	585	0 25	474	111
2	✓	✓		492	493	497	500	500	504	507	516	535	553	569	564	556	554	541	529	519	507	503	497	491	488	487	490	516	0	10 42	574	22 01	482	92
3				490	493	490	489	490	493	506	516	522	536	565	578	563	542	528	511	491	455	418	415	441	450	455	468	496	1	11 22	606	18 39	408	198
4			✓	456	472	479	480	486	492	503	521	525	533	547	544	558	537	513	494	469	459	454	465	468	476	475	475	495	1	10 45	570	18 22	435	135
5				481	496	485	482	489	491	504	522	528	556	565	557	573	574	541	517	490	485	480	474	467	464	482	474	507	1	13 19	595	21 29	451	144
6				474	478	486	494	501	502	512	512	544	569	581	604	594	579	559	508	492	490	490	489	484	482	486	488	517	0	11 17	616	0 38	470	146
7	✓			488	488	490	490	491	489	495	514	535	560	583	589	571	572	539	511	496	489	492	492	490	489	486	485	514	0	11 15	596	23 34	484	112
8	✓			486	488	491	493	493	496	500	507	508	523	541	557	567	578	561	539	521	512	522	504	502	498	494	501	516	0	13 16	580	0 00	484	96
9				485	494	499	519	521	516	524	530	564	587	585	596	602	609	567	549	532	505	496	490	490	493	477	479	530	1	13 23	641	23 02	462	179
10			✓	498	497	488	488	496	497	491	478	513	512	544	528	544	538	545	524	506	479	491	490	473	459	478	507	503	1	10 29	566	21 26	454	112
11				484	481	487	490	493	500	508	517	531	547	555	567	579	565	556	540	519	504	494	491	491	489	487	485	515	0	12 32	590	1 26	477	113
12	✓			495	489	495	500	505	504	510	519	535	552	567	574	581	571	556	530	521	511	503	500	497	498	490	491	521	0	12 16	591	0 05	486	105
13			✓	489	497	491	508	512	538	517	524	498	397	442	515	507	521	487	480	473	448	457	457	465	465	468	473	485	1	11 17	573	9 52	290	283
14			✓	463	473	476	474	474	487	487	487	470	500	539	547	539	548	525	507	488	477	479	476	471	463	455	472	491	1	12 59	571	22 20	451	120
15				483	474	474	485	484	487	497	513	522	538	551	547	554	526	493	495	486	484	482	475	472	493	492	489	500	0	10 11	569	20 17	468	101
16				482	482	487	491	494	499	509	529	546	571	590	607	597	572	555	530	511	497	491	490	487	484	480	486	519	0	11 52	618	22 41	479	139
17	✓	✓		488	494	493	492	490	495	500	512	532	557	590	592	588	576	549	523	509	503	500	497	495	496	497	499	519	0	10 52	606	0 38	487	119
18	✓	✓		498	498	502	503	505	507	513	524	539	556	578	590	585	576	560	541	521	508	502	498	493	494	499	497	524	0	11 28	592	20 22	490	102
19	✓			498	500	500	502	509	513	527	551	569	590	580	579	569	569	560	549	533	513	502	504	507	507	505	506	531	0	9 32	595	0 00	496	99
20	✓	✓		510	510	509	510	508	512	522	540	565	590	600	614	604	577	549	536	515	506	505	504	509	507	510	515	534	0	11 43	624	18 04	502	122
21				516	517	519	511	517	500	506	517	547	576	612	629	628	585	548	533	510	491	492	498	501	494	492	491	530	0	11 38	637	24 00	478	159
22				472	484	504	482	481	489	505	534	558	559	567	582	553	538	532	520	509	493	486	481	484	489	492	489	512	0	11 02	600	0 54	462	138
23				491	490	489	496	500	506	518	530	542	550	562	587	577	562	544	532	521	502	483	489	488	487	489	522	519	0	11 46	596	18 39	477	119
24				507	497	501	493	495	504	510	519	534	567	588	596	594	571	547	529	514	503	490	478	469	482	497	486	520	0	11 57	611	20 50	468	143
25				485	500	498	489	492	502	503	524	548	573	592	601	574	555	547	535	521	512	501	494	499	497	502	499	523	0	11 36	612	0 21	483	129
26	✓			494	495	499	503	506	506	502	509	535	567	574	584	583	568	549	537	525	514	507	503	503	500	496	502	523	0	11 56	594	0 53	493	101
27	✓	✓		500	498	503	508	515	516	527	549	576	604	624	627	628	604	576	558	549	532	524	521	521	515	515	510	546	0	12 32	639	1 09	496	143
28				512	512	512	514	515	508	503	510	527	552	574	593	597	574	560	545	531	513	508	510	505	506	509	511	529	0	12 28	605	6 56	499	106
29				517	503	509	512	514	517	524	536	554	561	575	585	591	569	569	537	523	523	517	509	504	507	506	489	531	0	12 26	598	22 49	484	114
30			✓	511	515	516	519	508	506	509	525	546	575	584	586	595	566	551	509	493	482	491	501	508	503	477	497	524	1	12 31	639	22 24	473	166
31				499	508	497	497	503	506	515	525	535	562	574	586	563	566	559	537	517	503	498	497	489	488	473	486	520	1	11 23	598	22 13	466	132
MEANS ALL DAYS				491	493	495	497	499	503	509	520	537	553	570	580	576	564	545	526	510	497	492	490	489	489	488	492	517						132
MEANS TEN DAYS ✱				495	495	498	500	502	504	510	524	543	565	581	587	583	574	554	535	521	510	506	502	501	499	498	500	524						109
MEANS FIVE DAYS † (G. M. T.)				498	499	501	503	504	507	514	528	549	572	592	597	592	577	555	537	523	511	499 507	498 503	497	495	493	496	527						
MEANS FIVE DAYS ‡ (G. M. T.)				483	491	490	494	495	504	501	507	510	503	531	544	549	542	524	503	486	469	474	474	479	483	479	480	500						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⌅ = NO RECORD

TABLE 192

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

AUGUST 1940 AUGUST 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				490	495	498	500	505	510	525	545	566	597	630	645	630	575	540	513	498	499	497	493	495	498	501	500	531	0	11	44 653	0	00 488	165
2				499	501	506	507	508	510	516	530	548	565	587	615	607	625	575	559	538	518	518	514	509	499	501	508	536	0	13	55 667	21	30 494	173
3			✓	495	490	477	487	475	483	467	464	468	512	455	560	559	549	510	482	477	477	476	473	478	485	472	473	489	1	11	54 661	10	11 339	322
4				469	481	483	481	490	493	510	541	574	609	630	633	623	598	552	515	500	497	499	493	482	474	483	496	525	0	11	41 638	0	46 465	173
5				503	498	497	496	497	504	512	522	544	559	601	623	630	602	557	529	499	497	489	486	478	486	485	501	525	0	12	43 640	20	48 474	166
6			✓	497	491	487	496	497	505	504	494	512	516	574	626	600	609	583	525	495	472	470	482	482	480	483	488	515	1	11	40 644	17	59 468	176
7				491	486	489	489	499	499	494	499	510	539	542	591	576	536	524	514	511	506	497	490	478	461	469	480	507	0	11	52 623	21	40 457	166
8				483	482	489	482	493	495	495	513	551	587	623	640	632	596	551	519	498	496	498	491	481	483	490	489	523	0	11	09 654	1	28 478	176
9			✓	504	490	508	499	487	473	464	436	417	429	525	587	577	550	506	446	421	410	425	452	457	461	465	468	477	1	11	48 602	9	32 391	211
10				468	475	478	476	476	485	483	477	492	523	560	588	602	600	561	534	515	503	488	485	481	484	487	496	509	0	12	56 609	0	42 466	143
11			✓	483	496	497	493	497	500	487	487	500	525	545	545	555	562	524	519	497	485	470	480	482	473	465	465	501	1	12	56 576	23	13 463	113
12				497	491	484	490	494	495	497	494	498	509	535	554	570	558	532	520	509	497	487	484	479	476	476	485	505	0	12	46 573	22	13 470	103
13	✓			480	493	488	489	490	495	500	511	525	545	560	564	574	576	565	548	527	509	501	499	498	492	491	502	518	0	12	57 598	0	29 478	120
14				496	495	497	494	504	498	504	519	532	553	592	609	619	583	553	526	510	502	496	489	488	490	493	494	522	0	12	16 625	20	21 487	138
15	✓	✓		493	500	499	500	501	505	523	547	572	613	632	642	643	616	574	542	527	519	511	508	508	506	508	512	542	0	11	52 648	0	27 493	155
16	✓	✓		506	501	506	505	507	511	513	530	555	591	620	636	641	618	577	534	521	515	511	507	502	498	499	503	538	0	12	08 644	21	12 497	147
17	✓	✓		505	508	510	512	514	518	534	561	596	638	663	661	651	616	572	545	533	529	522	521	520	521	521	522	554	0	11	06 672	0	00 503	169
18				520	516	516	514	514	513	519	541	567	614	661	668	652	576	514	525	504	480	477	473	474	474	477	482	532	1	11	53 719	18	51 467	252
19				488	489	491	497	500	508	529	557	572	596	617	572	616	602	560	539	520	503	480	465	460	464	475	483	524	1	12	19 636	20	22 451	185
20				474	478	478	483	490	494	511	545	556	589	609	607	585	577	552	530	516	506	500	491	494	497	490	484	522	0	10	31 621	0	18 471	150
21	✓			490	493	494	496	498	502	516	529	572	600	604	620	627	618	574	544	509	493	491	492	500	505	504	504	532	0	12	45 636	0	00 487	149
22	✓			510	513	518	519	515	518	527	542	562	586	621	598	632	609	592	561	533	507	492	487	484	482	481	484	536	0	11	58 643	22	02 478	165
23	✓			490	493	498	502	504	508	519	534	558	599	613	630	612	598	589	565	535	508	502	502	502	502	500	501	536	0	11	26 640	0	09 489	151
24	✓	✓		500	500	501	504	505	508	517	537	578	636	676	688	668	635	590	557	535	517	510	508	508	508	507	507	550	0	11	35 689	1	41 499	190
25	✓			506	506	505	507	510	512	505	505	530	562	606	627	623	610	585	572	545	519	516	517	520	519	517	515	539	0	11	34 634	7	15 498	136
26			✓	515	517	522	522	521	532	530	530	553	562	558	581	600	622	551	549	517	464	467	459	464	483	478	491	524	1	13	31 653	17	57 450	203
27				514	499	493	500	501	501	510	529	550	582	586	563	582	579	579	555	534	519	502	488	491	496	509	498	528	1	12	52 611	19	28 483	128
28				492	492	495	498	501	504	519	542	561	584	607	617	625	608	580	553	531	512	500	500	514	505	501	498	535	1	12	06 642	1	12 489	153
29				502	508	508	505	507	509	517	531	553	591	626	652	657	638	601	566	541	515	504	496	495	496	497	497	542	0	12	32 667	19	58 492	175
30	✓	✓		500	502	503	506	510	515	532	560	595	624	631	615	605	583	558	539	542	527	506	500	493	493	495	498	539	0	10	56 644	20	33 492	152
31				503	503	501	506	510	514	528	551	579	609	636	655	639	618	590	567	552	517	477	466	447	439	470	479	536	0	11	51 669	21	29 431	238
MEANS ALL DAYS				496	496	497	499	501	504	510	523	543	572	598	613	613	595	560	535	516	501	493	490	489	488	490	494	526						169
MEANS TEN DAYS *				498	501	502	504	505	509	519	536	564	599	623	628	628	608	578	551	531	514	506	504	504	503	502	505	538						153
MEANS FIVE DAYS † (G. M. T.)				501	502	504	505	507	511	524	547	579	620	644	648	642	614	574	543	532	521	505 512	500 509	499	498	499	501	543						
MEANS FIVE DAYS ‡ (G. M. T.)				499	497	498	499	495	499	490	482	490	509	531	580	578	578	535	504	481	462	462	499	494	494	496	502	506						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 193

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1940

SEPTEMBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	470	477	498	493	493	494	502	523	500	517	501	548	561	560	528	506	491	482	480	478	482	485	486	487	502	1	11	18	580	1 07	457	123
2				491	488	491	487	492	495	516	536	574	609	633	662	650	590	534	530	506	499	478	447	439	465	469	465	523	1	11	15	677	20 16	427	250
3				459	454	456	469	476	479	492	512	555	604	622	638	577	567	537	493	462	469	469	466	477	461	471	470	506	1	11	29	663	1 48	450	213
4				472	476	478	480	484	472	473	500	545	616	658	671	652	617	564	514	464	466	468	479	465	461	478	479	518	0	11	14	698	16 56	452	246
5				472	475	480	482	486	480	473	480	513	548	603	623	614	597	552	499	500	495	487	487	485	482	482	483	512	0	11	00	638	7 03	468	170
6				488	486	485	485	483	484	498	516	554	611	663	668	653	613	569	527	494	489	481	466	438	439	433	437	519	0	10	53	692	21 17	420	272
7			✓	445	453	452	463	463	472	470	490	516	548	570	594	575	568	541	519	487	469	456	457	459	464	466	468	494	1	11	28	608	0 22	441	167
8				470	469	473	481	484	480	466	461	479	496	546	584	546	543	532	515	505	493	483	463	450	463	490	473	494	1	11	19	599	8 53	439	160
9				472	474	478	482	490	489	487	494	524	550	571	585	589	580	545	532	497	469	466	474	470	468	473	478	506	0	11	42	614	18 18	457	157
10	✓	✓		480	482	482	486	488	490	500	515	536	564	591	602	598	585	572	551	521	499	492	491	491	489	488	488	520	0	11	37	605	0 42	478	127
11	✓			488	488	490	490	491	495	506	527	555	587	606	618	606	581	568	555	541	518	501	498	498	493	489	495	528	0	11	12	627	0 09	487	140
12	✓	✓		498	498	498	499	505	508	525	552	585	602	606	605	599	578	558	545	532	516	506	505	505	505	504	503	535	0	11	51	617	1 40	495	122
13	✓			502	504	506	510	514	521	535	564	595	634	622	624	598	594	582	578	559	538	524	517	510	506	511	509	548	0	11	30	650	22 00	501	149
14				514	511	511	518	521	529	544	564	602	626	659	623	602	602	485	508	515	503	485	488	489	486	487	475	535	1	10	04	683	14 37	435	248
15				493	481	478	490	495	496	509	542	572	630	621	634	610	589	551	540	525	511	498	496	493	494	492	485	530	0	11	07	661	2 51	475	186
16				489	494	498	498	501	503	520	558	598	644	622	600	605	560	544	521	503	493	493	491	490	492	491	493	529	1	10	26	703	0 22	484	219
17	✓	✓		494	494	498	504	504	505	512	537	580	634	667	686	663	629	594	555	534	517	517	512	508	505	502	501	548	0	11	32	691	1 07	493	198
18	✓			504	505	505	509	509	510	506	526	574	636	671	669	655	619	582	549	538	527	517	513	507	504	503	505	548	0	10	43	682	23 07	501	181
19	✓	✓		507	507	509	510	512	510	507	523	562	615	648	676	664	628	596	568	541	524	521	516	515	515	512	508	550	0	11	22	681	1 35	505	176
20				510	513	521	516	520	520	497	524	584	657	709	654	657	623	598	557	533	519	507	507	505	500	501	500	551	1	9	57	766	6 26	491	275
21				500	502	500	507	503	510	502	529	540	587	627	653	639	603	567	543	519	506	497	493	492	493	491	489	533	1	11	13	672	23 36	488	184
22				491	493	495	493	494	501	500	515	566	615	645	634	620	614	578	545	518	504	498	495	494	493	493	493	533	0	10	32	653	3 57	489	164
23	✓	✓		495	497	500	503	505	506	502	517	548	578	596	611	614	601	587	567	543	521	506	504	502	497	491	488	532	0	12	20	620	23 18	486	134
24	✓			491	495	497	498	498	497	494	508	541	582	616	625	626	609	580	558	534	507	492	489	481	481	486	487	528	0	11	07	632	21 30	476	156
25				486	485	495	500	501	503	499	521	545	605	632	670	664	584	542	538	512	479	489	487	486	484	484	484	528	1	11	39	713	17 20	467	246
26			✓	485	485	488	489	492	493	490	508	553	616	658	666	750	562	450	406	445	459	466	415	400	375	409	417	499	1	12	17	846	21 40	365	481
27			✓	423	431	430	437	445	449	460	486	517	542	575	570	568	555	536	514	475	443	426	435	428	413	407	419	474	1	10	22	604	22 43	400	204
28			✓	418	434	451	450	432	440	463	480	501	520	531	557	553	518	519	487	471	452	458	457	443	440	445	447	474	1	11	29	588	1 10	411	177
29				450	459	461	462	468	475	484	511	538	564	575	587	574	558	544	515	499	485	478	477	476	475	474	474	503	0	11	47	596	0 15	448	148
30	✓			477	478	476	478	479	481	493	531	565	605	632	634	623	578	531	493	488	489	479	462	453	441	441	462	511	0	10	57	649	22 31	436	213
31																																			
MEANS ALL DAYS				481	483	486	489	491	493	498	518	551	591	616	626	617	587	552	528	508	495	487	482	478	476	478	479	520							196
MEANS TEN DAYS *				494	495	496	499	500	502	508	530	564	604	626	635	625	600	575	552	533	516	506	501	497	494	493	495	535							160
MEANS FIVE DAYS † (G. M. T.)				495	496	497	500	503	504	509	529	562	599	622	636	628	604	581	557	534	515	495 508	494 506	492	490	490	493	535							
MEANS FIVE DAYS ‡ (G. M. T.)				448	456	464	466	465	470	477	497	517	549	567	587	601	553	515	486	474	461	457	454	440	430	441	447	488							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 194

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	442	463	464	463	465	470	476	507	537	562	593	597	574	487	486	396	453	455	448	450	447	445	448	447	482	1	11	13 772	13	56 338	434
2				446	458	459	457	463	458	470	506	571	608	643	636	599	531	491	473	466	452	453	457	457	452	443	438	495	0	10	24 684	23	46 434	250
3				437	440	450	464	468	465	463	500	547	623	647	647	622	575	515	487	487	474	465	456	447	454	466	461	502	1	11	49 679	0	08 435	244
4				459	467	471	474	473	473	472	505	559	612	654	658	640	607	554	517	494	482	476	469	462	463	471	467	516	0	10	41 676	0	33 455	221
5				461	466	473	476	478	480	486	508	546	586	617	654	655	624	571	534	500	490	493	487	481	480	480	478	521	0	12	23 665	0	09 459	206
6				480	478	486	488	490	502	482	502	512	552	623	633	624	598	592	553	497	463	446	435	452	451	437	427	508	0	11	25 655	23	17 425	230
7			✓	434	433	447	475	463	462	453	476	480	531	493	493	512	477	445	436	418	421	409	387	360	361	356	381	442	1	9	44 567	22	42 353	214
8			✓	395	406	433	432	428	440	438	454	497	563	580	559	568	536	476	455	432	430	435	439	452	452	453	452	467	1	12	07 599	0	57 391	208
9	✓			454	456	457	459	458	462	459	482	529	581	618	628	613	594	567	537	505	487	481	482	479	476	473	472	509	0	11	48 636	0	00 453	183
10	✓			474	482	482	483	486	481	485	510	534	578	628	639	620	586	540	500	463	453	455	456	463	465	474	465	508	0	11	04 648	16	58 448	200
11				470	477	476	477	483	486	493	523	560	606	629	645	639	613	604	571	528	494	482	474	468	468	468	471	525	0	11	09 658	20	46 463	195
12				477	483	485	488	488	495	494	529	582	627	656	662	626	609	577	551	511	484	487	480	476	476	482	484	530	0	11	34 691	20	50 471	220
13	✓	✓		486	487	485	483	488	492	503	540	586	645	655	641	610	590	568	544	522	504	497	494	492	491	490	493	533	0	10	26 668	3	12 482	186
14	✓	✓		496	497	501	500	499	495	497	530	574	618	652	657	648	634	612	575	532	510	504	507	510	506	512	504	545	0	11	02 671	5	57 489	182
15				500	504	519	510	501	522	514	521	580	635	631	655	611	580	568	545	510	489	489	486	485	484	482	482	533	1	11	27 674	23	25 481	193
16				483	486	481	491	502	499	495	537	586	627	645	625	578	562	505	487	511	505	494	500	494	495	486	484	523	0	10	39 665	15	18 474	191
17	✓			486	488	488	490	493	494	497	534	589	651	670	662	641	602	559	529	520	503	493	486	486	493	493	490	535	0	9	17 683	19	50 483	200
18				489	464	467	483	486	486	495	526	579	607	648	637	650	580	545	538	485	472	483	477	475	474	474	476	521	0	10	52 680	2	04 448	232
19				475	474	482	485	483	477	477	518	556	607	626	629	596	572	527	507	494	493	490	487	473	473	470	473	514	1	11	22 658	23	10 465	193
20				478	487	487	483	481	481	494	525	579	614	636	639	626	612	557	529	511	490	468	482	486	486	488	485	525	0	11	28 650	18	18 463	187
21				481	478	499	496	494	493	502	518	556	613	659	622	625	574	540	521	495	477	467	472	472	477	483	481	521	1	12	10 692	17	52 459	233
22				470	486	483	481	481	480	489	494	528	574	604	619	613	588	546	516	499	494	490	488	486	482	481	481	515	1	13	11 632	0	47 453	179
23	✓	✓		480	481	482	483	487	489	493	525	566	614	645	651	629	599	557	525	502	496	496	494	493	491	490	488	527	0	11	22 654	1	44 478	176
24	✓	✓		486	487	486	489	490	486	470	487	545	592	630	656	641	612	582	552	526	507	501	499	497	498	497	497	530	0	11	18 664	6	31 467	197
25			✓	497	497	499	504	514	516	507	507	553	604	623	650	667	658	641	640	549	465	487	502	501	498	483	494	544	1	12	41 704	17	07 443	261
26			✓	498	503	512	521	525	515	505	518	575	527	511	546	456	446	456	464	465	445	447	452	445	443	443	445	486	1	8	37 627	9	56 397	230
27				443	448	459	458	461	470	483	506	527	555	545	553	541	535	528	515	497	468	463	474	486	464	465	480	493	0	9	33 571	0	25 441	130
28				481	473	469	472	472	477	485	511	539	568	565	566	541	518	520	505	506	495	494	492	487	478	478	471	503	0	9	59 592	23	47 467	125
29	✓			472	474	475	475	474	479	493	530	575	600	596	574	547	522	506	503	507	509	503	496	493	497	491	496	512	0	9	57 612	0	08 469	143
30	✓	✓		489	486	483	485	486	493	511	559	603	650	649	629	587	545	517	506	497	499	499	496	494	489	485	481	526	0	9	49 658	23	15 480	178
31	✓			479	477	474	475	483	489	498	534	618	665	672	629	584	549	519	510	504	505	500	494	490	488	489	492	526	0	10	42 690	2	15 474	216
MEANS ALL DAYS				471	474	478	481	482	484	486	514	557	600	621	622	603	571	541	517	496	481	477	476	474	473	472	472	513						208
MEANS TEN DAYS *				480	482	481	482	484	486	491	523	572	619	642	637	612	583	553	528	508	497	493	490	490	489	489	488	525						186
MEANS FIVE DAYS † (G. M. T.)				467	488	487	488	490	491	495	528	575	624	646	647	623	596	567	540	516	503	495 499	490 498	488	487	487	488	530						
MEANS FIVE DAYS ‡ (G. M. T.)				453	460	471	479	479	481	476	492	528	557	560	569	555	521	501	478	463	443	445	457	453	450	443	452	486						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 195

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1940 — NOVEMBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				490	473	474	471	483	492	509	517	549	594	629	612	592	561	523	500	487	491	498	494	487	478	478	477	515	0	10	26 652	3	39 468	184
2	✓			478	478	490	481	476	482	496	528	574	612	638	621	572	527	495	499	505	500	489	480	476	482	472	467	513	0	10	32 642	23	03 466	176
3				478	471	473	470	468	467	474	481	517	556	577	585	556	519	487	473	468	477	481	475	468	466	465	467	492	0	11	15 597	5	21 459	138
4				474	477	477	482	488	497	513	558	588	578	554	534	485	449	514	495	473	447	436	435	453	453	456	453	490	1	9	52 625	12	56 417	208
5				443	459	466	469	464	466	468	498	529	569	589	610	602	570	546	510	500	492	489	481	477	485	471	463	505	1	11	35 625	0	21 438	187
6	✓			463	468	469	471	480	479	473	497	532	586	604	603	598	586	566	546	520	505	502	499	497	494	481	472	516	0	10	37 614	0	04 462	152
7				471	471	475	484	486	488	486	492	516	531	565	582	586	589	575	551	522	503	499	488	478	478	475	473	511	0	13	13 600	2	02 468	132
8	✓	✓		472	471	476	480	485	486	477	477	495	514	538	545	547	547	549	545	525	506	497	493	489	482	479	475	502	0	13	43 556	7	01 469	87
9				473	468	460	470	466	470	453	457	486	501	506	491	498	555	540	537	512	484	474	473	473	471	476	474	486	1	13	22 583	6	54 441	142
10	✓	✓		473	472	474	479	484	489	505	528	557	570	576	581	586	578	569	553	533	519	507	505	500	498	498	496	522	0	12	47 594	1	40 472	122
11	✓	✓		493	493	498	500	499	505	517	547	586	619	635	638	623	597	568	542	533	510	493	489	488	488	490	491	535	0	10	46 642	20	13 485	157
12			✓	490	490	505	506	479	500	481	527	551	634	666	659	609	570	545	477	456	418	389	351	350	364	379	338	489	2	10	47 736	23	57 333	403
13			✓	330	349	385	407	425	439	452	482	515	501	475	536	522	550	552	529	498	480	471	456	447	454	445	455	465	1	11	24 577	0	17 324	253
14				444	438	452	456	460	468	489	524	567	615	632	635	603	555	533	518	467	461	472	472	467	463	461	461	505	1	11	56 652	1	12 433	219
15				463	467	475	476	479	485	493	519	555	587	614	604	587	554	557	513	486	485	472	463	480	481	478	471	510	1	10	22 646	0	12 459	187
16				470	473	476	477	482	485	495	518	567	597	629	582	545	501	480	468	459	457	459	467	469	465	469	473	498	1	10	59 665	16	35 449	216
17				474	474	473	473	472	472	483	513	555	602	660	564	590	554	497	482	491	475	472	470	467	468	470	470	505	1	10	32 711	14	34 461	250
18	✓	✓		472	474	474	473	471	470	463	480	525	564	590	592	570	536	510	505	497	487	486	491	493	497	498	500	505	0	10	32 597	6	58 458	139
19	✓	✓		501	503	499	489	500	501	501	521	560	612	623	636	610	584	563	538	527	516	509	509	502	504	504	507	534	0	11	39 648	3	40 485	163
20				503	506	514	511	508	512	526	561	593	639	648	610	611	595	589	543	495	499	465	448	458	475	475	481	532	1	10	43 700	19	06 439	261
21				488	496	488	483	460	454	432	446	458	531	578	591	591	580	559	515	483	455	449	444	432	429	434	439	488	1	11	38 603	6	06 407	196
22			✓	434	424	447	448	454	473	475	447	508	561	607	610	601	570	548	470	452	474	459	464	466	457	447	461	490	1	11	30 619	7	36 407	212
23				449	442	430	446	464	453	426	431	489	529	554	555	543	528	499	467	463	461	457	457	459	458	455	453	474	1	9	56 576	6	44 414	162
24	✓			456	465	463	469	471	475	486	508	540	573	594	591	604	593	555	514	481	466	473	478	473	473	474	478	506	0	12	42 611	0	12 453	158
25			✓	481	482	481	479	486	503	524	540	564	561	513	346	438	471	508	518	495	454	427	433	441	449	441	553	483	1	9	36 630	11	27 202	428
26				469	457	457	459	471	475	491	505	519	552	524	494	493	506	513	510	505	492	485	476	471	473	474	474	489	1	9	35 584	12	03 455	129
27	✓			472	470	468	473	474	482	494	512	539	525	541	529	536	520	505	497	491	491	490	490	486	485	481	475	497	0	10	06 555	2	02 467	88
28	✓			476	478	478	478	479	483	498	511	540	576	581	564	553	532	514	506	508	490	494	485	488	492	488	466	507	0	10	22 596	23	47 456	140
29			✓	479	461	464	472	493	495	486	539	543	497	557	532	523	493	471	458	443	445	444	452	458	465	471	469	484	1	10	21 597	16	43 427	170
30				466	465	465	468	469	480	486	495	549	587	595	596	585	544	521	495	486	478	475	477	481	478	479	483	504	1	10	52 607	0	18 463	144
31																																		
MEANS ALL DAYS				468	467	471	473	476	481	485	505	539	569	586	574	565	547	532	509	492	481	474	470	469	470	469	470	502						187
MEANS TEN DAYS *				476	477	479	479	482	485	491	511	545	575	592	590	580	560	539	524	512	499	494	492	489	490	486	483	514						138
MEANS FIVE DAYS † (G. M. T.)				482	483	484	484	488	490	493	511	545	576	592	598	587	568	552	537	523	508	488 498	485 497	482	482	483	483	517						
MEANS FIVE DAYS ‡ (G. M. T.)				443	441	456	462	467	482	484	507	536	551	564	537	539	531	525	490	469	454	438	449	446	449	453	442	484						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 196

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1940

DECEMBER 1940

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				479	480	483	484	484	479	469	489	523	567	578	588	574	535	504	495	473	463	460	466	466	454	459	464	496	0	12 09	602	21 50	443	159
2				468	473	476	475	473	468	467	476	510	560	572	533	544	514	485	491	471	448	459	469	477	483	478	476	489	1	9 43	627	17 56	434	193
3				472	477	477	478	476	482	488	496	536	556	562	577	571	553	520	491	465	475	490	492	489	487	491	484	504	0	11 38	590	16 20	457	133
4	✓			481	493	491	487	484	487	496	518	546	587	602	594	588	561	540	519	503	493	486	483	484	484	485	475	515	0	10 35	619	23 59	469	150
5	✓			473	480	483	485	483	481	487	503	530	576	598	603	590	567	533	518	505	489	482	489	488	488	480	486	512	0	10 33	608	0 15	468	140
6	✓	✓		487	487	487	484	480	480	477	488	540	600	634	640	614	582	548	516	498	490	490	494	494	497	490	489	520	0	10 18	655	6 37	473	182
7	✓	✓		488	488	490	492	492	497	507	521	543	565	587	597	589	574	557	537	525	509	505	504	504	504	503	505	524	0	11 21	599	0 29	488	111
8	✓	✓		507	506	503	504	506	504	490	474	494	531	567	596	602	602	584	556	529	510	506	509	516	526	522	518	528	0	11 42	610	7 19	469	141
9				504	487	484	484	488	491	487	501	512	493	570	595	600	584	555	531	511	495	492	489	494	493	495	499	514	0	12 31	621	7 51	452	169
10				492	491	495	495	499	502	496	505	534	553	579	611	445	477	504	503	520	508	493	490	492	490	484	483	506	1	11 12	668	12 41	423	245
11	✓			486	487	485	485	485	494	502	523	561	581	590	584	572	529	521	522	490	476	481	465	472	481	489	492	511	1	11 24	596	19 31	456	140
12				493	490	487	490	491	490	484	501	518	556	552	546	532	537	544	542	524	503	494	488	483	471	478	484	507	0	9 45	606	21 15	466	140
13				486	486	487	486	484	493	497	517	537	564	573	576	586	573	557	536	518	503	495	494	495	494	494	491	518	1	11 34	599	4 07	477	122
14				491	493	497	496	492	501	507	520	514	548	570	602	552	513	476	483	488	486	487	484	485	484	483	488	506	0	11 05	615	14 46	460	155
15				487	489	489	488	487	493	496	513	552	564	581	581	569	511	530	501	508	491	473	492	493	491	484	479	510	0	10 08	623	18 25	468	155
16				478	490	493	485	498	497	507	524	559	593	627	624	592	537	518	506	505	500	493	491	489	492	493	495	520	1	12 24	650	0 18	472	178
17	✓			495	494	491	489	492	498	504	526	547	569	564	566	557	524	513	508	494	489	488	481	472	471	480	485	508	0	10 43	588	21 20	468	120
18	✓	✓		488	490	492	492	491	497	513	524	564	602	633	639	608	574	542	513	499	499	498	495	495	494	495	498	526	0	10 50	650	0 00	486	164
19	✓	✓		494	492	493	494	494	501	512	529	559	600	609	604	584	558	541	531	511	490	498	494	495	500	495	493	524	0	10 43	622	17 02	483	139
20			✓	489	488	498	500	491	488	496	511	489	508	575	562	547	455	448	463	436	422	428	444	458	446	435	437	480	1	10 09	648	16 59	409	239
21			✓	429	436	448	460	465	479	470	497	515	514	539	544	533	513	515	468	477	466	464	468	481	472	458	462	482	1	10 07	579	0 11	423	156
22			✓	469	467	476	485	486	485	488	461	490	527	568	526	543	511	511	475	475	473	474	473	482	481	482	479	491	1	10 23	603	8 52	425	178
23				477	485	485	487	482	484	481	491	525	519	539	523	526	529	492	486	462	458	473	470	465	467	473	474	490	1	11 16	556	17 36	453	103
24	✓			476	474	472	474	482	489	488	493	502	517	533	538	517	523	511	506	486	482	486	483	487	485	484	484	495	0	10 59	558	3 03	471	87
25				482	475	494	490	487	487	506	510	481	486	503	491	479	449	460	485	494	491	486	484	481	480	475	474	485	1	11 11	525	13 04	422	103
26				479	478	479	477	474	492	486	469	483	519	538	547	557	541	501	483	488	489	479	478	481	479	479	480	494	0	12 50	576	7 48	453	123
27				479	481	478	476	480	494	518	529	530	531	502	510	503	510	514	511	503	488	488	489	483	477	482	490	498	0	8 57	569	21 36	472	97
28				491	487	483	485	491	498	506	513	529	560	550	562	554	534	534	526	462	439	407	429	445	451	456	474	494	1	9 10	602	18 50	401	201
29				464	456	465	469	468	470	484	490	525	561	578	592	558	506	478	469	448	463	475	483	474	478	474	497	493	1	11 12	624	16 30	440	184
30			✓	510	489	479	469	475	479	489	512	538	582	614	588	579	514	471	458	481	525	524	508	500	507	486	469	510	1	10 58	659	15 04	449	210
31			✓	470	462	479	486	485	496	512	536	563	616	608	606	547	465	430	442	457	474	483	481	478	478	471	471	500	1	9 28	762	13 56	414	348
MEANS ALL DAYS				483	482	484	485	485	490	494	505	527	555	574	576	558	531	514	502	491	483	482	483	484	483	482	483	505						160
MEANS TEN DAYS #				488	489	489	489	489	493	498	510	539	573	592	596	582	559	539	523	504	493	492	490	491	493	492	492	516						137
MEANS FIVE DAYS (G. M. T.) †				493	493	493	493	493	496	500	507	540	580	606	615	599	578	554	531	512	500	493 499	493 499	491	491	490	493	522						
MEANS FIVE DAYS (G. M. T.) ‡				473	468	476	480	480	485	491	503	519	549	581	565	550	492	475	461	465	472	475	479	482	481	470	472	494						

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 197

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				159	158	159	160	162	163	164	166	163	151	133	127	130	137	144	144	156	158	153	156	157	157	158	157	153	0	7 35	167	11 38	124	43
2				157	157	157	158	161	164	168	170	164	159	149	142	136	132	137	149	152	152	152	156	158	158	158	157	154	0	7 11	171	13 34	131	40
3			✓	157	156	155	157	159	162	168	181	182	172	140	142	150	137	137	137	140	146	151	155	158	159	159	159	155	1	7 58	185	11 47	126	59
4				158	159	160	160	160	160	163	169	165	160	154	156	147	143	137	136	145	151	151	155	156	156	155	157	155	1	6 58	172	14 52	133	39
5				156	157	158	159	160	159	161	164	164	166	165	160	149	152	147	147	147	148	153	159	159	159	158	156	157	1	9 28	167	14 38	145	22
6				156	157	158	159	159	159	161	165	167	172	169	166	163	167	162	155	155	155	155	156	159	156	157	158	160	1	9 20	174	15 12	152	22
7				159	159	158	159	160	159	158	157	149	150	152	151	150	152	147	145	148	151	152	156	157	158	158	158	154	1	4 41	161	15 30	143	18
8				159	159	160	160	159	156	159	166	163	155	152	154	149	155	155	156	155	154	155	157	158	159	158	158	157	0	7 53	168	12 30	147	21
9				159	160	160	161	161	159	160	159	154	147	138	138	140	141	139	161	168	166	159	161	158	158	159	160	155	0	16 58	169	14 02	133	36
10			✓	160	160	160	160	162	161	161	163	157	149	157	148	160	168	180	179	171	163	160	160	160	160	159	157	161	1	14 43	188	9 38	142	46
11			✓	157	157	158	158	160	161	160	159	152	141	134	133	131	131	138	155	159	158	156	157	157	156	156	157	152	1	5 13	165	13 33	127	38
12				157	158	158	160	160	162	164	167	159	148	141	143	135	143	157	160	165	160	156	159	159	158	160	158	156	1	7 41	168	12 36	131	37
13	✓			159	160	161	160	162	162	160	158	151	142	139	141	140	144	152	161	166	161	156	159	160	160	159	160	156	0	16 18	167	10 08	138	29
14	✓	✓		160	160	161	162	164	167	165	167	167	160	150	139	143	146	148	144	151	155	151	153	155	158	160	159	156	0	5 38	169	11 38	139	30
15	✓			157	158	158	159	160	161	160	160	157	156	155	150	151	150	150	143	144	151	152	157	157	158	156	156	155	0	5 17	162	15 42	142	20
16				153	153	156	158	160	162	165	174	173	172	160	143	148	152	151	150	152	152	152	153	153	152	152	153	156	1	7 42	178	11 28	140	38
17				152	152	156	156	160	159	156	157	156	164	180	170	161	164	159	156	152	151	151	156	157	157	156	156	158	1	10 20	182	17 38	150	32
18			✓	156	156	156	158	161	164	164	167	160	156	148	148	148	152	160	150	144	144	148	152	152	153	156	157	155	1	7 00	169	16 48	142	27
19				157	157	158	160	160	162	164	168	175	180	181	175	176	180	178	165	152	146	148	153	156	157	157	157	163	1	10 18	182	17 08	145	37
20	✓			157	158	159	160	161	162	161	159	161	162	169	177	160	153	158	160	160	157	151	155	157	158	159	160	160	0	11 18	179	18 20	150	29
21	✓	✓		161	161	162	162	163	165	167	177	184	183	177	168	167	169	165	160	150	150	149	154	157	158	158	161	164	0	8 18	185	18 18	148	37
22				161	161	161	161	162	162	160	160	157	154	153	145	119	122	125	142	154	157	154	157	157	159	159	158	152	0	5 08	163	12 47	113	50
23	✓			156	157	157	158	161	162	162	165	161	158	153	146	144	135	128	126	135	148	150	152	154	154	154	157	151	0	7 28	166	15 28	125	41
24				158	158	157	158	160	158	161	175	175	170	168	182	191	189	179	163	161	161	159	160	160	161	159	161	166	1	12 33	193	18 48	157	36
25				160	160	161	162	162	161	155	156	148	144	148	148	158	177	183	173	161	156	156	158	159	159	161	161	159	1	14 33	185	9 38	143	42
26	✓	✓		161	162	162	164	164	164	163	165	155	144	149	153	160	172	176	166	158	155	157	159	160	160	159	159	160	0	14 15	180	9 53	143	37
27	✓	✓		158	158	160	162	162	161	159	164	165	168	166	165	163	161	164	167	167	165	161	162	161	161	161	161	163	0	9 25	169	1 40	157	12
28	✓	✓		161	161	162	162	163	162	161	165	172	169	156	147	139	140	144	147	145	148	152	157	157	157	157	158	156	0	9 00	174	12 48	137	37
29	✓			159	161	161	162	162	163	164	167	166	157	150	145	136	141	158	164	157	157	155	156	156	156	158	158	157	0	7 55	168	12 23	133	35
30				157	157	157	157	160	163	162	174	178	176	170	169	163	153	140	140	145	150	153	157	157	156	157	154	159	1	8 00	180	14 38	137	43
31			✓	151	153	156	157	160	163	162	169	176	189	174	165	165	159	158	146	148	153	150	153	158	161	160	160	160	1	9 18	191	15 20	144	47
MEANS ALL DAYS				158	158	159	160	161	162	162	166	163	160	156	153	151	152	153	153	154	154	153	156	157	158	158	158	157						35
MEANS TEN DAYS *				159	160	160	161	162	163	162	165	164	160	156	153	150	151	154	154	153	155	153	156	157	158	158	159	158						31
MEANS FIVE DAYS † (G. M. T.)				160	160	161	162	163	164	163	168	169	165	160	154	154	158	159	157	154	155	156 154	159 157	159	160	160	160	160						
MEANS FIVE DAYS ‡ (G. M. T.)				156	156	157	158	160	162	163	168	165	161	151	147	151	149	155	153	152	153	153	158	158	158	158	157	157						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 198

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1940 — FEBRUARY 1940

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	157	159	158	158	161	162	160	162	161	157	162	157	150	153	157	157	157	159	161	162	161	161	161	159	159	1	10	25	12	52	19
2			✓	159	159	160	161	161	163	161	165	167	163	163	162	157	156	161	159	151	148	149	155	158	159	159	159	159	0	8	00	17	08	22
3			✓	158	158	157	158	161	160	158	158	156	149	148	151	149	162	164	159	153	156	160	161	160	160	161	161	157	0	14	01	10	40	20
4	✓			160	160	160	161	163	164	164	171	172	172	161	154	151	152	160	165	164	156	154	160	161	161	161	160	161	0	7	58	12	18	24
5	✓			159	160	162	163	163	163	158	153	148	139	137	134	135	135	148	149	151	153	154	157	157	157	157	158	152	0	4	58	13	13	33
6				157	157	159	159	160	160	157	160	161	161	160	160	157	163	172	175	174	165	162	161	161	161	162	160	162	0	15	02	12	38	20
7				160	161	162	163	163	163	160	157	151	144	143	142	143	148	152	144	146	147	152	156	157	157	157	157	154	0	3	58	15	48	24
8				158	159	159	161	162	163	159	162	167	163	163	161	157	156	159	165	167	160	159	160	160	159	160	159	161	0	16	28	13	28	14
9				159	160	161	157	162	163	163	165	162	162	157	159	157	160	163	157	151	151	153	157	157	158	158	158	159	0	7	18	16	28	16
10	✓			158	159	162	162	162	162	156	152	149	145	151	149	144	151	164	166	166	162	162	165	163	162	161	161	158	0	16	08	12	28	28
11				161	162	162	162	162	165	162	166	165	159	159	159	159	159	155	154	152	152	157	160	158	158	157	158	159	0	7	18	16	18	16
12			✓	160	161	162	163	164	165	166	168	161	164	162	169	173	174	170	164	153	152	156	157	157	157	158	157	162	1	13	18	17	18	25
13				159	159	161	162	163	165	162	162	167	161	153	145	140	141	143	143	143	146	152	157	159	159	159	159	155	0	8	28	12	57	30
14	✓	✓		159	159	159	161	162	165	167	174	182	180	176	172	171	167	167	165	158	154	154	157	158	159	159	159	164	0	8	32	17	58	34
15	✓			159	159	159	161	163	165	164	167	164	161	157	153	155	159	158	154	150	149	152	155	156	158	158	158	158	0	7	28	17	18	21
16				158	159	159	159	160	162	162	167	167	163	160	155	154	145	137	143	150	153	155	156	158	157	156	155	156	0	8	22	14	23	33
17	✓	✓		155	157	158	159	161	162	158	158	160	162	155	144	136	126	126	128	137	144	151	154	155	155	155	156	150	0	9	38	13	46	42
18	✓	✓		156	156	156	158	159	159	157	156	154	154	153	151	155	160	159	154	149	145	146	153	155	156	156	156	155	0	13	31	17	48	18
19	✓	✓		156	156	156	156	158	159	156	157	151	149	149	149	153	151	150	148	148	148	148	152	150	149	152	155	152	0	5	28	15	34	12
20				156	157	156	157	158	157	155	157	161	166	157	153	154	153	149	144	144	141	145	151	152	154	153	154	154	1	9	35	17	22	30
21				154	155	157	158	158	157	154	159	155	154	150	147	150	152	154	150	146	145	148	153	154	153	154	154	153	1	7	48	11	08	16
22				155	155	158	158	158	157	154	157	157	157	153	149	149	153	153	145	140	140	144	151	154	156	158	156	153	0	2	45	17	18	21
23				156	159	160	159	159	159	156	162	168	173	174	164	157	156	153	150	145	144	149	154	154	156	158	158	158	0	10	08	17	18	34
24				161	161	160	161	162	161	154	157	156	154	145	137	140	148	148	149	152	154	152	154	154	159	159	159	154	1	4	38	11	46	30
25			✓	158	157	157	159	162	162	159	165	164	162	158	158	153	156	148	148	151	152	152	153	153	153	154	155	156	1	7	40	15	22	27
26				157	157	157	157	158	161	162	165	161	158	157	154	157	158	155	151	150	152	152	153	153	153	152	153	156	0	7	40	16	38	16
27	✓	✓		154	157	157	159	161	162	165	166	165	162	159	153	148	149	156	159	157	152	150	153	154	156	156	156	157	0	7	18	13	18	20
28	✓			156	156	157	158	160	161	165	170	167	165	163	153	143	139	133	138	147	151	152	154	152	153	153	154	154	0	7	46	14	35	39
29				155	155	157	158	159	159	160	169	173	174	171	164	157	151	148	151	151	152	155	157	156	156	156	155	158	0	9	58	14	03	31
30																																		
31																																		
MEANS ALL DAYS				158	158	159	160	161	162	160	162	162	160	157	154	152	153	154	153	152	151	153	156	156	157	157	157	157						25
MEANS TEN DAYS ✲				157	158	159	160	161	162	161	162	161	159	156	151	149	149	152	153	153	151	152	156	156	157	157	157	156						27
MEANS FIVE DAYS † (G. M. T.)				156	157	157	159	160	161	161	162	162	161	158	154	153	151	152	151	150	149	151 150	155 154	156	156	156	156	156						
MEANS FIVE DAYS ‡ (G. M. T.)				158	159	159	160	162	162	161	164	162	159	159	159	156	160	160	157	153	153	156	157	158	160	159	159	159						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 199

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				155	154	155	158	160	160	159	159	157	155	150	137	127	129	136	142	146	151	152	155	156	157	156	155	151	0	4 51	160	12 48	124	36
2	✓			155	155	157	158	160	160	163	171	173	170	169	169	168	163	158	150	149	151	153	158	158	157	156	156	160	0	8 12	175	16 18	149	26
3				157	157	159	160	161	162	159	159	154	150	146	141	141	139	139	143	146	149	151	154	155	156	156	153	152	0	5 18	162	14 08	137	25
4	✓			155	157	158	159	160	160	155	152	149	146	148	150	150	149	148	151	151	154	154	155	155	156	157	156	154	0	5 18	161	9 25	146	15
5	✓			156	158	158	159	159	160	158	158	155	158	160	158	155	154	154	153	151	152	153	155	155	156	156	154	156	0	10 38	162	16 58	150	12
6	✓	✓		155	156	159	159	160	160	159	160	154	146	142	140	142	143	144	139	138	146	150	155	155	156	156	157	151	0	7 15	161	16 20	137	24
7	✓	✓		157	159	159	160	160	160	159	161	160	161	160	160	158	159	152	151	149	149	151	152	154	155	156	156	157	0	7 42	163	16 50	148	15
8				156	157	159	159	159	157	153	153	153	149	151	153	161	169	169	157	156	155	153	155	154	157	155	157	157	0	13 45	173	9 48	148	25
9				158	158	158	158	159	160	159	157	153	148	144	136	133	140	140	140	140	141	151	154	155	157	155	157	150	1	5 08	161	12 12	131	30
10	✓			157	157	158	159	159	158	155	153	150	144	137	136	136	139	140	144	141	148	151	153	154	155	156	156	150	0	3 18	161	11 53	135	26
11	✓	✓		157	159	160	160	161	160	156	155	150	146	144	144	140	144	150	147	145	147	148	152	152	153	153	153	152	0	4 48	160	12 28	138	22
12				153	154	157	159	159	160	157	156	156	157	153	146	137	139	140	139	145	149	150	153	152	151	153	155	151	0	5 32	161	12 58	135	26
13				153	153	156	157	157	157	158	165	165	165	163	160	156	151	141	133	140	142	145	149	152	153	153	152	153	0	7 58	166	15 18	132	34
14				153	153	154	156	157	157	158	159	157	154	148	144	144	147	143	139	140	147	150	152	152	153	153	153	151	0	7 28	159	15 53	137	22
15	✓	✓		153	153	156	157	158	158	160	162	161	157	151	144	140	138	133	135	140	142	151	153	153	154	155	154	151	0	7 52	165	14 28	132	33
16				153	156	156	157	157	158	157	160	161	163	159	154	152	148	136	132	135	143	151	153	153	153	153	156	152	0	9 20	163	15 53	131	32
17	✓			155	156	156	157	157	157	160	163	161	156	152	152	152	152	147	142	142	147	148	152	152	154	155	155	153	0	7 43	164	16 08	141	23
18	✓	✓		156	157	159	160	161	161	162	162	162	159	160	164	165	164	157	152	152	151	152	153	155	156	156	155	158	0	13 08	166	17 38	150	16
19				156	157	159	160	161	161	163	160	151	136	129	135	138	133	138	138	138	142	146	151	153	150	148	151	148	1	6 28	164	10 33	125	39
20				152	155	159	158	159	160	159	159	159	156	158	152	151	141	135	133	141	146	148	151	154	155	156	155	152	1	5 38	161	15 28	130	31
21				155	158	159	159	160	160	158	160	157	149	151	151	151	148	140	140	147	151	151	153	154	155	156	158	153	0	5 30	160	14 38	138	22
22				159	159	160	161	161	160	158	156	155	155	157	160	163	162	159	158	154	152	154	156	155	157	158	158	158	0	12 48	164	17 08	150	14
23				158	159	157	158	162	162	166	167	158	143	133	130	135	139	143	143	140	144	149	153	156	154	152	156	151	1	6 56	168	11 38	125	43
24			✓	157	157	158	160	159	161	165	166	165	162	154	100	128	136	141	153	143	155	161	159	147	143	147	156	151	2	10 46	225	11 32	72	153
25			✓	164	152	154	160	154	165	164	164	155	134	116	111	108	107	113	119	122	137	141	146	152	151	152	156	142	2	0 31	171	13 00	105	66
26				158	158	158	159	160	161	161	160	154	148	141	140	135	126	120	132	136	141	146	149	147	147	151	152	148	1	6 15	162	14 27	116	46
27				153	156	159	160	160	160	161	166	172	168	160	152	131	122	120	120	122	133	145	150	149	152	153	154	149	1	8 21	173	15 22	119	54
28				155	154	157	158	158	159	162	165	163	158	155	151	150	148	141	141	140	141	149	151	152	154	154	153	153	1	7 48	167	16 08	139	28
29			✓	154	156	157	158	160	161	161	166	165	163	161	150	129	122	162	154	142	141	149	154	147	138	142	153	152	2	14 41	179	13 10	104	75
30			✓	147	155	163	165	161	162	167	180	184	182	156	141	134	123	115	121	131	145	148	150	154	152	150	154	152	2	8 53	195	14 18	113	82
31			✓	158	159	159	159	162	173	172	185	174	165	146	120	118	126	124	120	126	138	144	147	150	151	146	151	149	2	7 13	190	11 49	109	81
MEANS ALL DAYS				155	156	158	159	159	160	160	162	159	155	150	145	143	142	141	141	142	146	150	153	153	153	153	155	152						38
MEANS TEN DAYS ✲				156	157	158	159	160	159	159	160	158	154	152	152	151	150	148	146	146	149	151	154	154	155	156	155	154						21
MEANS FIVE DAYS † (G. M. T.)				156	157	159	159	160	160	159	160	157	154	151	150	149	150	147	145	145	147	150 150	153 153	154	155	155	155	154						
MEANS FIVE DAYS ‡ (G. M. T.)				156	156	158	160	159	164	166	172	169	161	147	124	123	123	131	133	133	143	149	153	151	148	149	154	149						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

[ ] = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 200

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

APRIL 1940 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) APRIL 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	154	156	155	154	158	158	160	165	163	159	148	143	146	135	122	122	130	139	147	152	154	155	156	156	149	1	7 58	166	15 16	116	50
2			✓	157	159	159	160	159	159	161	163	161	156	152	148	142	126	111	124	140	148	152	152	148	145	145	156	149	1	7 18	164	14 48	108	56
3			✓	153	156	157	160	161	161	161	155	148	149	148	146	147	142	132	135	146	147	150	152	153	154	153	154	151	2	1 41	165	15 19	127	38
4				156	158	158	161	162	164	158	154	147	138	129	124	129	135	133	137	143	147	151	151	151	151	151	151	147	0	5 35	164	11 52	123	41
5				152	154	155	156	158	159	156	152	144	136	130	127	127	128	130	134	139	147	152	152	152	153	153	157	146	0	4 28	160	12 06	126	34
6				156	156	157	157	157	157	154	147	137	129	123	121	121	125	134	142	146	151	153	153	153	153	155	155	146	0	5 18	159	11 28	120	39
7	✓	✓		156	156	157	158	158	160	161	156	151	147	143	137	142	141	132	133	138	146	151	151	151	152	153	153	149	0	6 11	162	14 48	128	34
8	✓	✓		155	156	157	158	159	160	156	152	147	147	148	153	160	156	149	147	149	152	155	154	154	155	155	156	154	0	12 38	162	15 38	146	16
9	✓	✓		157	158	159	159	159	160	163	167	166	158	151	143	140	133	134	141	146	151	153	153	154	154	155	154	153	0	7 48	168	13 58	133	35
10	✓	✓		156	158	159	159	159	160	160	158	154	150	144	142	146	153	150	150	153	153	152	154	155	156	157	156	154	0	5 48	161	11 34	142	19
11	✓			157	159	160	161	162	162	160	154	144	141	138	140	144	147	150	151	153	155	157	157	156	157	157	158	153	0	5 28	163	11 37	137	26
12	✓	✓		159	159	160	160	161	162	160	157	155	155	151	146	143	141	135	127	129	142	151	151	153	155	156	156	151	0	5 18	163	16 04	126	37
13				158	159	160	161	161	162	159	159	159	164	172	167	167	161	159	157	157	159	159	159	159	159	159	160	161	0	10 08	174	16 10	156	18
14				161	163	162	162	164	164	164	168	168	166	158	147	147	143	140	135	140	149	153	155	156	157	156	156	156	0	8 36	170	15 18	133	37
15				158	160	160	162	164	163	161	159	160	152	153	164	161	152	146	144	148	155	156	156	156	159	160	162	157	1	11 23	167	15 18	142	25
16				162	162	163	162	161	161	161	159	155	148	147	147	153	155	150	147	150	154	156	156	157	158	159	159	156	1	2 21	164	15 28	146	18
17				160	161	160	160	160	160	158	153	155	157	156	156	153	148	150	154	154	156	156	155	157	159	160	160	157	0	1 10	162	13 48	147	15
18	✓			160	161	160	161	161	161	159	155	151	146	141	139	139	139	143	148	151	153	156	157	157	157	157	159	153	0	5 18	162	11 08	137	25
19	✓			161	161	162	162	162	162	155	145	138	132	135	146	155	160	164	159	148	148	153	157	157	157	159	159	154	0	14 48	165	10 00	131	34
20				159	160	160	161	161	161	156	141	129	117	121	132	140	142	148	147	147	151	153	156	156	156	156	156	149	1	5 24	162	9 28	116	46
21				157	159	160	162	163	163	161	155	147	137	138	142	147	143	139	142	144	151	152	155	156	156	156	156	152	1	5 48	165	9 48	135	30
22				157	159	161	162	162	164	165	164	156	144	138	135	145	154	153	154	152	153	152	154	155	157	157	157	155	0	6 58	165	11 27	134	31
23	✓			161	161	161	161	161	162	163	160	157	150	144	138	135	143	151	153	151	151	150	151	155	155	155	156	154	0	6 18	164	12 04	135	29
24	✓			158	159	160	161	161	161	160	164	169	170	172	163	165	157	148	146	145	152	154	155	157	159	153	138	158	0	10 08	174	23 36	134	40
25			✓	151	159	160	163	167	168	166	165	157	152	151	153	157	144	138	143	148	156	159	161	160	162	161	159	157	2	5 56	169	14 33	137	32
26			✓	162	163	163	165	166	167	167	170	168	161	152	145	144	139	136	132	138	147	152	156	158	161	160	158	155	1	7 28	170	15 42	130	40
27				160	160	159	160	160	161	164	161	164	164	162	160	164	160	156	158	156	156	157	159	159	160	159	159	160	0	12 30	166	16 50	155	11
28				160	161	161	162	163	164	165	168	168	165	166	161	151	144	146	145	147	151	153	155	155	160	161	160	158	0	8 15	169	13 48	143	26
29				159	160	161	162	163	163	163	163	163	161	161	163	155	151	150	145	147	154	155	156	158	159	160	161	158	0	8 28	164	15 18	143	21
30				162	162	162	163	164	166	165	168	165	157	154	158	157	145	139	135	141	150	155	156	158	161	161	162	157	0	7 48	170	15 14	134	36
31																																		
MEANS ALL DAYS				158	159	160	160	161	162	161	159	155	150	148	146	147	145	142	143	146	151	153	155	155	156	156	157	154						31
MEANS TEN DAYS ✻				158	159	160	160	160	161	160	157	153	150	147	145	147	147	146	146	146	150	153	154	155	156	156	154	153						30
MEANS FIVE DAYS † (G. M. T.)				157	157	158	159	159	160	160	158	155	151	147	144	146	145	140	140	143	149	154 152	154 153	154	154	155	155	152						
MEANS FIVE DAYS ‡ (G. M. T.)				155	159	159	160	162	163	163	164	159	155	150	147	147	137	128	131	140	147	152	153	154	154	152	152	152						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 201

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1940 — MAY 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			163	163	163	163	163	162	163	162	159	157	151	146	144	145	144	148	149	156	158	159	161	162	161	163	157	0	3 08	165	12 50	143	22
2	✓			162	162	162	164	164	164	162	156	148	147	148	147	144	135	129	128	134	147	153	155	156	159	158	158	152	0	5 58	165	15 08	126	39
3	✓	✓		159	160	162	161	161	161	163	167	166	167	163	159	157	157	158	156	155	155	155	158	159	160	159	159	160	0	9 18	169	16 28	154	15
4	✓	✓		161	161	162	161	161	162	162	156	148	141	132	130	133	139	147	148	151	155	155	156	159	160	160	160	152	0	1 48	163	10 58	128	35
5	✓			159	159	159	161	160	161	159	153	150	146	146	141	145	154	160	156	155	155	158	157	158	159	159	159	155	0	5 32	162	11 30	140	22
6	✓	✓		160	160	161	161	161	162	159	155	149	144	136	134	134	133	131	136	141	149	151	154	156	159	159	158	150	0	9 48	162	14 06	129	33
7	✓			159	158	159	158	158	158	160	160	155	144	138	134	131	125	128	134	143	155	157	158	160	161	159	161	151	0	6 38	162	13 28	124	38
8	✓			160	160	161	161	162	163	165	165	161	162	156	148	151	150	153	154	156	158	155	156	157	159	157	156	158	0	6 58	166	11 38	147	19
9				156	161	161	162	161	162	162	159	154	147	148	146	146	150	155	156	152	152	154	155	156	158	159	159	155	1	6 30	164	12 16	144	20
10				160	161	160	161	164	160	161	158	151	146	141	136	138	146	153	155	151	152	156	157	159	160	160	161	154	1	4 18	165	11 28	134	31
11				160	162	163	162	162	163	163	161	155	151	151	156	160	162	148	139	144	154	159	159	158	160	161	161	157	1	6 18	164	15 18	138	26
12				159	162	159	160	161	162	165	166	157	148	138	136	135	127	117	125	133	147	152	155	156	158	158	158	150	1	7 31	168	14 18	115	53
13				159	160	160	160	160	161	163	169	166	162	163	156	146	133	126	133	143	152	156	156	159	161	161	160	155	0	7 18	170	14 26	124	46
14				161	161	161	161	161	161	163	165	162	158	156	155	156	151	150	148	150	153	154	156	158	161	160	158	158	1	7 13	167	15 46	148	19
15				160	160	161	160	161	162	164	164	162	156	153	155	153	141	144	148	150	152	153	157	159	161	161	162	157	1	7 14	165	13 28	139	26
16				164	164	163	162	162	162	166	170	166	161	155	154	157	152	147	147	147	153	153	156	158	160	159	160	158	0	7 31	170	16 04	145	25
17				161	162	161	161	162	162	162	160	154	151	141	131	124	127	137	143	146	152	154	157	157	158	160	160	152	0	5 48	164	12 38	123	41
18			✓	162	161	162	167	160	164	166	159	158	145	144	138	136	134	135	135	144	155	155	156	157	158	158	157	153	1	3 11	173	13 18	132	41
19				158	159	159	159	161	161	163	162	154	148	147	144	143	143	138	138	148	155	155	157	157	158	158	158	153	0	6 47	165	14 58	135	30
20				158	159	160	162	162	163	162	157	151	150	154	158	157	150	142	142	146	153	155	157	159	159	158	155	155	0	5 38	163	15 02	141	22
21				160	161	162	160	162	163	165	168	163	163	167	170	171	159	146	146	150	156	156	157	158	154	157	158	160	0	12 12	171	14 28	145	26
22			✓	157	160	158	161	162	163	170	172	164	153	146	143	133	131	133	137	144	153	156	157	158	159	159	159	154	1	7 18	174	12 58	130	44
23			✓	160	161	162	162	162	164	165	162	154	146	141	140	136	139	136	139	149	156	158	159	160	161	158	153	153	1	6 20	166	12 48	133	33
24			✓	153	162	163	162	167	166	169	179	170	146	129	131	124	118	118	129	136	153	155	157	159	161	158	160	151	1	7 40	182	14 18	114	68
25				161	161	161	161	161	161	167	175	177	172	170	171	165	153	145	148	151	157	158	161	162	161	161	161	162	1	8 02	179	14 51	143	36
26			✓	163	162	162	164	163	165	164	162	154	145	141	139	133	142	144	144	147	155	159	157	162	162	163	164	155	1	0 36	167	12 28	131	36
27				164	163	163	164	164	164	168	171	168	166	157	148	143	145	152	148	146	151	155	160	162	161	161	159	158	1	7 08	172	12 28	143	29
28				163	164	164	163	164	165	164	164	152	139	129	130	135	139	150	146	147	156	158	158	159	162	161	161	154	1	6 40	165	10 38	128	37
29				160	161	161	161	162	163	164	163	158	148	143	143	143	147	145	148	152	154	155	158	160	161	160	160	155	0	7 00	164	10 53	141	23
30	✓	✓		160	160	161	161	162	163	165	163	158	152	150	151	151	149	152	153	152	157	158	160	160	161	161	161	158	0	6 48	166	13 28	148	18
31	✓	✓		161	161	161	162	162	163	162	160	153	148	144	151	157	158	160	160	153	156	160	161	162	164	163	163	159	0	6 18	163	10 28	143	20
MEANS ALL DAYS				160	161	161	162	162	162	164	163	158	152	148	146	144	143	143	144	147	154	156	157	159	160	160	159	155						31
MEANS TEN DAYS *				160	160	161	161	161	162	162	160	155	151	146	144	145	144	146	147	149	154	156	157	159	160	160	160	155						26
MEANS FIVE DAYS † (G. M. T.)				160	160	161	161	161	162	162	160	155	150	145	145	146	147	150	151	150	154	156 156	158 158	159	160	159	159	156						
MEANS FIVE DAYS ‡ (G. M. T.)				159	161	161	163	163	164	167	167	160	147	140	138	132	133	133	137	144	154	157	158	159	159	159	158	153						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 202

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1940 — JUNE 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		162	162	163	164	164	165	166	157	146	138	131	131	134	139	143	152	151	156	159	161	162	162	161	162	154	0	6 18	167	10 38	130	37
2				162	163	164	164	165	166	168	162	152	142	133	132	138	149	154	155	154	156	159	162	164	164	164	164	156	0	6 18	169	11 12	130	39
3	✓			164	164	165	165	165	165	166	164	157	151	147	151	151	158	159	159	157	156	158	158	160	162	162	162	159	0	6 13	167	10 28	146	21
4	✓	✓		162	163	163	163	164	165	165	162	158	151	150	145	151	159	158	156	150	154	158	158	159	161	161	161	158	0	6 08	167	11 45	143	24
5				161	162	162	162	163	165	166	164	157	152	151	151	147	143	141	148	148	153	157	157	159	163	162	162	156	0	6 18	166	14 28	140	26
6			✓	159	163	163	165	167	164	168	173	164	146	136	133	131	132	136	141	148	158	160	162	162	161	162	167	155	1	7 38	175	11 48	130	45
7			✓	163	163	166	166	167	167	172	173	166	161	159	153	154	152	149	148	149	156	158	160	159	163	163	163	160	1	7 03	176	14 58	147	29
8				165	163	163	163	164	166	167	159	140	125	124	122	135	141	139	140	149	154	158	160	161	162	162	160	152	1	6 12	168	11 15	119	49
9				161	163	163	163	166	166	168	172	165	155	146	144	145	142	142	150	152	155	158	160	160	162	162	162	158	0	6 55	173	13 41	141	32
10	✓			162	162	163	162	162	163	165	165	160	154	151	151	152	148	144	147	147	151	156	159	160	161	160	160	157	0	7 08	168	14 38	142	26
11	✓	✓		161	162	163	163	163	163	163	161	154	148	145	147	149	151	149	150	150	154	158	159	160	160	160	159	156	0	6 18	165	10 08	143	22
12	✓			159	159	160	160	160	162	164	162	152	149	146	147	144	143	140	139	142	149	152	156	158	160	161	160	154	0	6 48	165	15 00	138	27
13	✓			159	159	160	160	160	160	161	159	155	147	142	142	147	152	154	151	151	155	156	159	160	160	161	161	155	0	23 40	163	11 08	138	25
14			✓	162	161	161	162	162	164	164	160	146	138	135	135	129	134	131	137	147	153	154	160	161	163	161	159	152	1	3 05	166	12 22	126	40
15			✓	156	161	161	161	164	166	168	175	173	168	160	156	157	155	154	156	157	158	159	160	161	161	162	163	161	1	7 48	178	14 08	152	26
16				162	162	162	163	161	162	162	161	156	149	143	137	138	145	150	144	148	151	156	158	160	161	160	161	155	0	6 18	163	11 41	136	27
17				160	161	159	158	161	161	162	159	147	138	139	144	143	143	144	145	148	154	155	156	157	157	156	153	152	1	6 12	165	9 28	137	28
18				155	158	157	159	158	161	165	157	146	138	131	130	138	139	139	142	142	151	154	156	157	158	159	156	150	1	6 18	166	10 55	128	38
19				158	159	160	161	161	162	162	161	153	144	141	147	153	158	159	157	157	157	157	158	160	160	160	160	157	0	6 58	163	10 35	139	24
20	✓	✓		159	161	161	161	161	163	166	162	156	145	136	131	131	134	140	148	153	153	155	157	158	158	158	158	153	0	6 38	167	11 08	130	37
21	✓	✓		158	159	159	160	161	161	163	159	150	140	132	131	133	133	140	146	152	156	156	158	159	159	158	158	152	0	6 38	164	11 18	130	34
22				158	158	160	161	161	162	165	165	161	155	155	153	152	152	150	149	152	153	157	158	158	161	162	162	158	0	5 53	169	15 02	148	21
23				162	162	162	162	162	162	163	159	155	153	149	147	146	145	151	155	153	159	160	161	162	161	162	163	157	0	23 50	166	13 33	144	22
24				161	162	163	165	163	163	166	165	162	160	149	140	136	134	138	137	141	151	156	159	161	163	160	156	155	1	6 48	166	13 08	133	33
25			✓	160	161	161	161	163	162	170	170	164	184	180	185	162	141	134	141	148	151	155	157	161	163	162	162	161	2	9 40	192	14 45	130	62
26				160	162	162	162	163	164	165	168	166	161	159	158	161	159	155	152	155	158	159	160	161	163	162	163	161	1	12 28	170	15 48	151	19
27				163	163	163	163	164	164	167	162	155	150	146	147	152	155	152	152	152	155	159	160	161	164	163	163	158	0	6 21	168	10 12	144	24
28	✓			163	163	163	164	163	164	164	161	154	139	129	126	118	129	147	154	155	159	160	162	163	164	163	163	154	0	6 38	165	12 28	115	50
29				162	164	164	163	164	164	164	162	154	142	142	142	154	159	159	157	154	158	154	160	160	159	161	161	158	0	6 11	165	11 02	141	24
30				163	164	165	165	164	165	167	168	166	162	158	153	154	162	158	155	157	160	159	160	162	162	162	163	161	1	7 00	169	11 18	152	17
31																																		
MEANS ALL DAYS				161	162	162	162	163	164	165	164	156	149	145	144	144	146	147	149	151	155	157	159	160	161	161	161	156						31
MEANS TEN DAYS ✱				161	161	162	162	162	163	164	161	154	146	141	140	141	145	147	150	151	154	157	159	160	161	160	160	155						30
MEANS FIVE DAYS † (G. M. T.)				160	161	162	162	163	163	165	160	153	144	139	137	140	143	146	150	151	155	157 157	159 159	160	161	161	161	155						
MEANS FIVE DAYS ‡ (G. M. T.)				160	162	162	163	165	165	168	170	163	159	154	152	147	143	141	145	150	155	157	159	161	162	161	161	158						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 203

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1940 — JULY 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				164	164	167	167	167	167	166	166	159	153	151	145	147	150	154	154	149	153	157	159	161	161	161	161	158	0	7	31	167	11 58	144	23
2	✓	✓		162	162	163	163	163	163	165	168	162	162	151	149	157	156	154	154	149	153	157	159	161	161	162	162	159	0	7	18	169	10 48	148	21
3				162	161	161	163	163	164	165	165	166	166	166	157	150	153	147	145	147	152	155	160	163	163	162	163	159	1	10	03	167	15 38	144	23
4			✓	162	165	166	166	166	165	166	165	158	153	157	163	160	158	155	154	152	156	158	160	162	163	162	162	161	1	6	40	168	16 21	149	19
5				163	165	163	164	165	163	167	166	159	153	149	150	157	154	158	158	151	154	158	160	162	164	165	163	160	1	7	02	168	10 58	147	21
6				164	165	165	166	166	166	168	170	165	157	155	150	145	144	139	144	150	156	159	160	161	163	164	164	159	0	7	48	170	14 48	136	34
7	✓			162	163	164	164	164	164	164	165	160	155	152	153	152	148	148	151	152	154	159	159	159	159	160	160	158	0	7	18	166	14 08	147	19
8	✓			160	161	161	161	161	162	163	167	167	167	168	172	175	171	167	159	155	156	159	159	161	160	161	161	163	0	12	28	177	16 18	155	22
9				160	162	162	162	162	161	162	161	156	150	152	156	159	155	148	148	150	153	156	159	159	160	159	161	157	1	6	18	163	9 51	147	16
10			✓	162	162	162	162	163	163	164	170	165	168	167	169	165	159	159	154	147	151	159	157	156	159	161	160	161	1	7	30	172	16 23	147	25
11				159	161	161	162	163	164	165	164	158	153	150	150	148	151	150	145	140	146	154	156	158	158	158	158	156	0	6	38	166	16 28	139	27
12	✓			158	159	160	161	162	162	161	161	154	148	152	154	158	154	154	157	147	150	157	158	158	159	159	159	157	0	6	38	162	16 38	146	16
13			✓	160	159	158	161	162	163	160	161	146	150	140	125	124	124	136	138	136	145	154	155	156	157	157	156	149	1	7	52	169	11 32	120	49
14			✓	156	157	158	157	158	160	161	162	161	154	145	139	141	137	141	148	145	149	153	155	155	154	155	157	152	1	7	38	163	13 48	133	30
15				158	158	158	159	158	159	161	156	148	144	142	143	143	147	155	156	150	155	157	157	159	160	159	159	154	0	6	42	162	10 18	140	22
16				160	160	160	160	160	161	162	160	156	147	144	138	134	134	135	136	140	148	154	156	157	158	159	159	152	0	6	14	163	13 14	131	32
17	✓	✓		159	160	160	160	159	160	161	163	160	154	148	143	139	135	144	147	145	148	152	154	156	157	158	157	153	0	7	18	164	13 18	134	30
18	✓	✓		158	158	159	158	158	159	159	158	155	145	144	145	150	156	154	150	143	146	153	154	156	156	158	158	154	0	5	58	160	16 43	142	18
19	✓			158	159	159	159	160	160	161	157	148	138	141	142	138	140	145	147	143	146	152	158	160	160	161	161	152	0	6	25	162	12 08	136	26
20	✓	✓		161	162	162	162	162	162	162	158	147	140	135	132	140	144	147	145	150	154	158	160	161	161	161	161	154	0	3	08	164	11 22	131	33
21				161	162	162	162	164	161	164	160	152	142	137	139	143	141	144	144	144	150	156	160	161	162	162	161	154	0	6	50	165	10 36	136	29
22				161	163	160	162	164	164	166	160	146	134	132	129	130	139	143	151	151	155	158	160	162	162	162	162	153	0	6	15	168	11 45	126	42
23				162	162	163	164	163	164	164	159	152	152	147	145	142	135	135	139	139	148	155	159	160	161	161	162	154	0	6	28	166	14 08	133	33
24				157	159	161	161	161	163	164	161	155	153	150	149	149	155	157	147	144	151	154	159	160	162	162	161	156	0	6	48	165	16 18	142	23
25				161	163	161	161	163	164	164	162	153	144	141	142	143	148	145	140	145	149	155	156	160	160	160	160	154	0	6	08	166	15 18	139	27
26	✓			160	161	161	161	161	162	163	166	161	156	153	150	152	145	140	141	145	149	157	158	158	160	159	159	156	0	7	18	166	14 18	139	27
27	✓	✓		159	160	161	162	162	162	162	158	152	148	144	144	144	143	148	148	152	153	156	157	159	159	159	159	155	0	6	08	163	13 08	140	23
28				159	159	159	161	161	162	166	170	166	160	157	155	152	144	139	136	143	150	154	157	158	160	160	160	156	0	7	31	170	14 51	135	35
29				160	160	160	161	160	160	159	156	149	148	148	142	144	151	148	143	147	152	157	159	160	160	160	159	154	0	3	08	161	11 44	142	19
30			✓	161	161	161	161	161	161	163	163	159	148	139	131	127	126	130	142	144	148	154	157	158	157	158	161	151	1	7	46	166	12 51	121	45
31				161	162	160	161	162	162	162	159	151	137	132	129	130	137	146	147	144	151	154	156	157	156	157	161	151	1	1	31	163	11 32	128	35
MEANS ALL DAYS				160	161	161	162	162	162	163	162	156	151	148	146	146	146	147	147	146	151	156	158	159	160	160	160	156							27
MEANS TEN DAYS ✲				160	160	161	161	161	162	162	162	157	151	149	148	150	149	150	150	148	151	156	158	159	159	160	160	156							24
MEANS FIVE DAYS † (G. M. T.)				160	160	161	161	161	161	162	161	155	150	144	143	146	147	149	149	148	151	154 155	157 157	158	159	160	159	155							
MEANS FIVE DAYS ‡ (G. M. T.)				160	161	161	161	162	162	163	164	158	155	150	145	143	141	144	147	145	150	156	158	159	160	159	160	155							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 204

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1940 — AUGUST 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				161	161	161	161	161	162	164	159	152	143	137	133	125	127	134	141	144	152	153	156	157	159	159	158	151	0	6 18	164	12 59	121	43
2				158	158	159	160	160	160	161	163	153	148	145	142	136	133	130	141	144	149	157	157	158	158	159	159	152	0	7 14	165	14 18	128	37
3			✓	158	158	156	158	158	160	162	171	174	162	161	147	149	151	155	159	160	158	157	160	161	160	160	160	159	1	8 18	178	12 06	142	36
4				161	162	161	161	162	162	167	164	149	140	133	127	126	128	132	137	147	153	153	156	157	158	159	160	151	0	6 28	168	12 18	125	43
5				160	161	161	161	162	163	167	171	161	152	144	141	139	134	137	143	148	152	155	156	157	159	159	159	154	0	7 34	172	13 08	132	40
6			✓	160	160	161	161	161	162	164	173	169	170	160	153	150	148	143	144	148	153	156	159	161	162	162	162	158	1	7 38	174	14 48	141	33
7				161	160	160	161	165	163	165	165	165	162	163	159	149	155	157	155	154	155	157	157	157	157	159	160	159	0	8 08	167	12 38	147	20
8				160	158	157	157	160	160	160	159	150	134	125	121	115	112	120	128	137	149	155	156	157	158	158	158	146	0	6 02	161	13 28	111	50
9			✓	159	156	159	158	158	161	166	174	173	173	168	158	142	140	145	148	149	156	159	161	161	161	161	160	159	1	7 35	176	13 01	137	39
10				159	160	159	160	161	162	167	176	178	168	155	150	143	131	126	133	143	148	152	153	155	156	157	156	154	0	8 18	181	14 18	125	56
11			✓	156	158	158	157	159	159	164	175	179	173	167	170	176	167	164	162	159	158	158	159	161	161	161	161	163	1	8 18	181	18 48	154	27
12				164	162	162	163	164	165	168	168	168	167	170	170	152	136	141	145	145	151	156	158	160	161	161	162	159	0	11 02	172	13 39	134	38
13	✓			161	162	161	162	163	164	166	166	162	160	162	163	163	158	152	148	149	152	157	157	158	159	159	159	159	0	7 16	167	15 18	147	20
14				159	161	161	162	164	164	166	166	164	162	163	167	163	158	160	156	156	157	157	157	157	158	159	160	161	0	11 30	168	16 03	155	13
15	✓	✓		161	161	161	162	163	163	161	154	146	137	131	138	141	140	142	150	150	151	155	157	159	159	161	161	153	0	6 08	164	10 18	129	35
16	✓	✓		161	161	162	162	162	162	163	163	154	145	144	143	142	142	148	154	154	158	158	158	159	160	160	160	156	0	7 08	165	13 38	141	24
17	✓	✓		161	161	161	162	162	163	163	161	156	145	128	128	136	132	136	142	145	147	154	155	156	158	158	158	151	0	6 13	164	11 16	124	40
18				158	159	160	161	161	161	160	156	146	139	131	128	127	130	139	150	151	155	155	157	158	159	159	159	151	1	4 48	162	11 22	124	38
19				159	159	160	160	161	162	163	159	153	146	137	138	154	154	151	154	152	152	154	154	155	157	158	158	155	1	6 02	166	11 18	133	33
20				157	158	160	161	162	163	166	168	163	159	153	149	149	151	160	162	157	155	155	157	157	158	158	158	158	0	7 28	169	11 58	147	22
21	✓			159	160	160	160	161	162	161	156	149	137	134	134	134	130	137	142	144	148	153	154	158	160	160	160	151	0	5 58	162	13 48	130	32
22	✓			160	160	161	161	162	161	161	159	156	152	144	144	137	133	134	138	143	147	151	152	155	157	158	158	152	0	5 20	163	14 00	131	32
23	✓			160	160	160	162	162	162	162	160	152	139	131	126	119	121	129	129	134	142	151	154	155	155	155	157	147	0	6 18	163	12 58	118	45
24	✓	✓		157	157	157	158	159	161	162	157	149	131	116	111	113	122	132	133	134	142	151	158	158	159	160	160	146	0	5 52	163	11 28	110	53
25	✓			160	160	161	162	163	163	166	173	175	162	158	152	151	155	161	158	153	153	157	158	160	161	161	161	160	0	8 18	176	11 48	150	26
26			✓	161	161	162	163	164	165	164	161	158	162	164	168	163	157	151	150	149	150	158	157	160	164	164	161	160	1	11 22	170	17 02	146	24
27				164	163	164	164	165	165	164	157	151	146	145	150	147	145	143	143	143	149	154	157	159	159	161	160	155	1	0 15	168	14 31	142	26
28				161	162	162	164	165	166	166	161	155	152	149	149	153	155	152	150	152	154	159	153	155	155	155	155	157	1	5 46	167	10 52	146	21
29				156	157	157	158	159	159	158	151	141	130	126	125	127	130	134	137	141	145	148	150	153	154	154	154	146	0	5 56	160	11 10	124	36
30	✓	✓		156	156	156	157	158	159	156	150	143	138	135	135	139	140	140	143	146	147	149	153	154	156	156	157	149	0	5 58	160	11 08	133	27
31				159	160	160	160	161	161	160	152	143	139	138	135	130	139	147	150	150	149	149	152	151	153	156	155	150	0	5 58	161	12 31	130	31
MEANS ALL DAYS				160	160	160	161	162	162	163	163	158	151	146	144	142	140	143	146	148	151	155	156	157	158	159	159	154						34
MEANS TEN DAYS ✻				160	160	160	161	162	162	162	160	154	145	138	137	138	137	141	144	145	149	154	156	157	158	159	159	152						33
MEANS FIVE DAYS † (G. M. T.)				159	159	159	160	161	162	161	157	150	139	131	131	134	135	140	144	146	149	154 153	155 156	157	157	158	158	151						
MEANS FIVE DAYS ‡ (G. M. T.)				159	159	159	159	160	161	164	171	171	168	164	159	156	153	152	153	153	155	158	156	157	158	159	159	159						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 205

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1940 — SEPTEMBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	156	158	158	160	161	161	164	156	153	145	149	151	154	158	162	158	154	154	157	157	157	157	157	157	156	1	6	41	166	9 48	141	25
2				157	158	159	159	161	162	160	152	144	135	131	130	130	123	129	136	141	152	154	152	154	158	156	157	148	1	6	02	165	13 38	122	43
3				158	156	159	162	163	163	164	166	167	158	143	137	138	136	132	136	142	154	154	152	152	153	155	155	152	1	8	08	168	14 48	130	38
4				156	158	158	158	159	161	166	164	154	141	133	128	120	115	121	130	139	146	151	153	153	154	155	155	147	0	6	28	167	13 38	114	53
5				157	158	159	159	161	162	172	180	180	177	169	161	157	145	137	142	154	158	154	153	154	155	155	156	159	0	8	48	182	14 48	137	45
6				158	158	159	159	160	162	164	163	157	144	132	125	125	121	121	124	140	151	154	154	154	156	157	157	148	0	6	18	165	13 38	120	45
7			✓	156	158	161	164	164	167	169	168	159	151	139	131	137	135	131	134	138	147	152	154	156	160	157	156	152	1	6	52	171	11 38	130	41
8				159	160	160	162	162	164	168	173	165	161	152	151	153	159	153	152	155	158	158	158	157	159	159	159	159	1	7	28	174	12 08	148	26
9				161	162	162	163	163	162	162	157	150	146	144	145	148	138	133	140	142	149	153	155	157	157	158	160	153	0	3	54	164	14 08	131	33
10	✓	✓		161	162	162	162	163	163	165	164	159	157	152	151	155	152	146	135	140	150	154	156	157	159	159	159	156	0	6	58	166	15 58	134	32
11	✓			160	160	162	161	163	164	163	160	160	161	163	154	146	141	135	142	145	152	155	158	159	160	161	162	156	0	6	08	164	14 28	135	29
12	✓	✓		162	162	162	163	163	163	159	151	147	147	151	163	170	164	148	145	147	153	157	159	160	160	160	160	157	0	12	24	171	15 58	144	27
13	✓			160	162	163	163	164	164	162	159	157	151	148	151	151	149	151	145	141	148	155	157	158	158	159	159	156	0	5	48	165	16 12	140	25
14				163	163	163	165	166	166	164	162	153	142	134	138	146	140	152	163	162	159	159	158	159	160	159	159	156	1	5	18	167	10 26	131	36
15				160	161	162	164	164	165	168	168	160	145	138	140	144	148	153	157	154	154	155	156	156	156	157	157	156	0	7	10	168	10 00	135	33
16				159	160	161	161	162	165	167	165	156	140	132	132	131	131	131	131	141	149	153	153	153	153	154	156	150	1	6	58	168	10 38	128	40
17	✓	✓		157	158	158	160	161	162	167	170	161	150	141	136	131	125	122	128	137	143	150	156	155	157	157	158	150	0	7	18	170	14 30	121	49
18	✓			159	160	161	162	164	166	167	176	180	178	173	171	166	159	154	149	147	148	154	157	158	159	159	159	162	0	8	18	181	16 48	144	37
19	✓	✓		160	160	161	163	164	164	164	162	158	155	151	147	140	137	136	138	142	147	155	155	156	156	156	156	153	0	5	28	165	14 02	135	30
20				157	158	160	160	162	163	165	169	163	153	132	131	134	136	138	140	146	150	152	153	154	155	155	154	152	1	7	11	170	10 48	127	43
21				156	155	157	159	160	161	164	163	158	151	147	139	143	141	141	142	143	150	155	156	156	158	158	158	153	1	7	02	166	13 30	140	26
22				158	159	161	163	164	165	165	164	156	151	146	149	149	148	146	144	145	149	153	155	156	156	157	159	155	0	5	52	167	15 26	143	24
23	✓	✓		159	159	160	161	162	164	167	163	157	157	159	166	169	160	152	144	145	151	156	157	157	158	159	157	158	0	12	18	171	15 48	144	27
24	✓			159	160	160	161	163	164	163	159	152	146	144	149	147	140	139	139	142	147	153	156	156	156	158	156	153	0	6	01	164	15 38	138	26
25				159	159	160	161	162	161	159	157	156	150	148	149	141	140	147	147	146	151	153	156	157	158	158	158	154	1	0	38	164	13 18	138	26
26			✓	158	159	161	161	162	162	166	165	161	153	145	144	136	118	127	140	145	149	152	152	152	152	156	154	151	1	6	45	167	13 20	114	53
27			✓	156	157	158	161	162	162	160	156	153	155	153	154	148	140	136	137	144	149	149	151	152	152	156	154	152	1	4	48	163	14 56	132	31
28			✓	155	157	157	160	158	159	161	164	161	161	162	161	157	151	149	144	144	149	153	154	154	155	156	156	156	1	11	02	164	15 21	143	21
29				157	159	160	161	162	161	158	156	152	149	148	151	155	157	159	155	153	155	156	156	157	158	159	160	156	0	4	49	163	10 18	147	16
30	✓			160	161	161	163	164	164	168	169	164	156	152	152	155	156	164	162	159	152	152	153	155	156	158	159	159	0	7	08	169	11 18	150	19
31																																		
MEANS ALL DAYS				158	159	160	161	162	163	164	163	158	152	147	146	146	142	141	143	146	151	154	155	156	157	157	157	154							33
MEANS TEN DAYS *				160	160	161	162	163	164	164	163	160	156	153	154	153	148	145	143	144	149	154	156	157	158	159	158	156							30
MEANS FIVE DAYS (G. M. T.) †				160	160	161	162	163	163	164	162	156	153	151	153	153	148	141	138	142	149	154 154	156 157	157	157	158	159	155							
MEANS FIVE DAYS (G. M. T.) ‡				156	158	159	161	161	162	164	162	157	153	150	148	146	140	141	143	145	150	153	153	153	154	157	156	153							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 206

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	157	163	164	164	165	168	167	166	156	155	153	147	155	156	160	166	158	154	158	159	158	158	160	160	159	1	15	31	172	11 34	136	36
2				160	163	163	163	164	165	163	151	137	130	130	130	135	138	140	147	148	151	156	158	156	156	156	155	151	0	5	48	167	9 39	127	40
3				158	158	162	163	164	165	167	159	147	138	127	123	120	124	135	147	150	151	156	156	156	157	156	156	150	1	6	38	167	12 41	118	49
4				158	160	162	163	164	164	171	171	163	155	148	140	133	134	138	141	147	151	153	155	155	155	156	155	154	0	7	13	173	13 00	130	43
5				158	159	161	163	163	162	160	155	151	148	149	146	138	131	134	138	147	151	153	156	156	155	156	158	152	0	4	08	163	13 28	130	33
6				159	159	161	163	163	166	172	175	172	167	152	143	138	131	125	125	126	139	147	150	151	151	150	151	152	0	7	05	176	14 38	123	53
7			✓	151	152	155	155	155	158	164	169	172	165	172	171	158	149	138	134	135	148	156	156	153	153	154	159	156	1	10	33	177	15 48	129	48
8			✓	159	161	163	160	161	166	168	166	157	150	143	136	132	129	130	130	131	145	155	156	159	157	157	157	151	1	6	58	168	15 58	125	43
9	✓			159	159	159	160	161	161	161	161	155	153	156	152	149	153	149	142	142	148	153	155	155	155	155	156	155	0	6	53	163	16 00	138	25
10	✓			157	157	158	159	160	159	153	145	138	134	127	126	134	144	147	143	147	152	155	157	156	156	156	155	149	0	4	51	161	11 08	123	38
11				157	157	158	160	161	161	161	156	149	140	139	132	125	127	130	127	131	140	150	152	152	153	154	153	147	0	5	34	162	12 38	123	39
12				155	155	156	158	159	160	158	159	151	141	138	138	138	145	143	143	145	150	154	155	153	155	155	156	151	0	5	06	161	12 12	135	26
13	✓	✓		157	156	158	160	161	161	165	164	152	144	152	155	151	145	142	138	139	143	149	153	153	153	155	155	153	0	6	55	166	15 45	136	30
14	✓	✓		155	156	157	158	159	160	159	156	151	152	155	146	140	143	143	139	140	145	151	155	154	153	153	152	151	0	5	34	162	15 38	136	26
15				151	153	156	156	159	161	159	156	151	146	146	140	135	139	140	138	138	142	148	152	153	152	153	153	149	1	5	28	163	13 05	132	31
16				154	155	156	158	159	159	157	153	147	141	139	140	144	141	137	135	135	142	151	154	154	155	153	153	149	0	4	18	160	16 18	133	27
17	✓			154	154	155	157	158	160	161	155	145	142	142	145	149	147	144	138	139	142	146	151	151	153	152	151	150	0	6	24	161	15 48	134	27
18				152	152	152	156	156	157	157	158	159	164	163	162	170	166	154	144	143	145	153	155	155	155	155	156	156	0	12	40	172	15 53	138	34
19				157	158	162	162	162	160	164	162	163	162	157	151	153	153	146	142	146	151	154	156	156	156	156	157	156	1	6	56	166	15 48	140	26
20				157	159	159	161	161	161	163	165	159	155	151	144	137	133	130	129	133	140	148	154	154	154	154	153	151	0	7	18	165	15 08	128	37
21				154	156	159	159	161	159	157	154	152	151	146	142	142	147	142	136	141	146	153	154	153	154	155	156	151	1	5	24	162	15 38	133	29
22				154	158	157	157	159	158	156	159	158	157	151	144	141	133	128	133	137	145	150	154	154	154	154	155	150	1	7	20	162	14 18	128	34
23	✓	✓		156	157	158	159	161	160	159	159	156	158	154	149	149	151	147	144	142	146	152	155	156	157	156	155	154	0	4	51	162	16 13	142	20
24	✓	✓		156	157	159	160	162	163	166	173	171	166	166	162	158	150	138	132	133	142	151	154	155	156	155	155	156	0	7	50	175	16 08	131	44
25			✓	155	155	155	157	158	158	156	160	162	164	160	150	145	145	138	137	137	143	153	155	155	154	153	155	152	1	9	31	166	16 05	129	37
26			✓	155	155	157	158	157	155	159	164	160	155	164	146	146	145	137	131	131	138	151	152	151	152	153	154	151	1	9	57	172	16 16	129	43
27				155	156	158	158	157	157	156	159	158	157	153	152	148	146	138	132	131	137	149	153	154	153	153	152	151	0	7	43	160	15 58	129	31
28				153	154	155	157	159	159	149	138	136	134	133	136	136	136	133	131	135	144	156	157	157	156	156	155	146	0	5	00	161	15 12	128	33
29	✓			157	159	158	160	161	159	154	149	145	146	148	152	155	152	149	149	150	155	158	160	160	159	157	157	155	0	5	08	162	8 28	144	18
30	✓	✓		157	157	156	157	160	157	154	151	144	140	137	139	144	144	148	147	148	154	159	157	156	157	157	158	152	0	4	28	160	10 02	136	24
31	✓			158	158	160	162	163	161	162	166	160	155	145	139	141	144	146	144	147	151	155	157	156	156	157	158	154	0	7	15	168	11 35	137	31
MEANS ALL DAYS				156	157	158	159	160	161	161	159	154	150	148	144	143	143	140	139	140	146	153	155	155	155	155	155	152							34
MEANS TEN DAYS ✲				157	157	158	159	161	160	159	158	152	149	148	146	147	147	145	142	143	148	153	155	155	156	155	155	153							28
MEANS FIVE DAYS † (G. M. T.)				156	157	158	159	161	160	161	161	155	152	153	150	148	147	144	140	140	146	153 152	155 155	155	156	155	156	153							
MEANS FIVE DAYS ‡ (G. M. T.)				155	157	159	159	159	161	163	165	161	158	158	150	147	145	141	140	138	146	155	154	154	154	154	156	154							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊠ = NO RECORD

TABLE 207

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1940

NOVEMBER 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				156	154	156	159	161	159	162	167	172	174	170	171	165	156	156	160	159	157	157	158	157	156	157	157	161	0	9	01	177	0 45	153	24
2	✓			157	157	158	159	162	162	164	165	161	156	151	151	149	150	152	149	145	148	153	156	157	157	155	154	155	0	7	08	166	16 31	144	22
3				154	155	157	157	159	162	169	177	177	173	169	166	162	157	155	154	152	154	156	152	152	151	149	149	159	0	8	18	178	23 53	149	29
4				149	150	153	154	156	156	162	167	168	170	169	169	156	153	145	133	132	138	144	148	148	146	145	145	152	1	9	20	173	15 58	132	41
5				147	149	152	152	153	157	162	166	167	164	159	149	130	123	116	119	129	140	144	149	148	148	147	148	147	1	8	48	169	14 48	115	54
6	✓			148	149	149	152	156	156	157	162	163	161	157	149	140	127	119	123	130	136	144	148	148	147	145	145	146	0	8	28	164	14 38	117	47
7				144	147	149	149	152	151	148	153	162	162	159	153	145	132	129	127	132	139	144	147	147	148	149	149	147	0	8	58	164	15 38	127	37
8	✓	✓		148	149	150	152	153	154	160	175	182	182	177	173	165	158	145	134	131	138	144	149	149	148	149	148	155	0	8	58	185	16 28	129	56
9				147	147	149	152	156	158	161	167	166	168	169	165	158	141	131	128	131	139	145	149	148	147	148	148	151	1	10	14	171	15 29	128	43
10	✓	✓		147	147	148	151	154	151	145	139	131	129	132	140	142	144	136	129	128	137	144	148	147	147	146	145	142	0	5	14	154	15 58	127	27
11	✓	✓		146	147	151	152	153	149	146	146	148	148	149	151	147	144	144	137	138	140	143	146	148	149	150	149	147	0	4	08	153	15 48	136	17
12			✓	148	151	152	153	153	158	156	154	156	144	131	129	128	130	130	126	127	130	138	141	143	146	145	143	142	2	5	15	160	16 50	125	35
13			✓	143	143	146	148	153	149	160	176	182	182	188	175	160	151	143	129	128	136	143	146	147	147	147	147	153	1	10	13	192	15 38	125	67
14				146	146	149	150	151	150	146	147	155	154	144	142	129	122	123	124	128	135	143	147	148	148	148	146	143	1	8	51	156	13 40	120	36
15				147	148	151	152	153	151	151	155	159	163	165	161	156	152	143	134	138	140	143	147	149	147	147	147	150	1	10	13	167	15 21	133	34
16				150	150	151	152	155	151	148	148	148	152	153	147	144	144	140	136	133	139	148	150	148	147	148	149	147	1	4	41	156	16 18	131	25
17				148	150	151	152	152	152	148	143	147	148	139	143	135	137	138	145	145	145	146	150	147	147	147	147	146	1	5	12	154	12 52	132	22
18	✓	✓		149	151	152	153	154	154	154	155	152	153	151	149	146	143	143	144	146	150	152	155	154	154	152	152	151	0	7	35	157	13 30	142	15
19	✓	✓		152	151	151	151	154	152	149	150	149	147	147	147	139	139	142	137	135	138	146	151	150	150	151	150	147	0	5	11	155	15 58	134	21
20				150	151	151	152	154	152	147	145	141	132	130	138	134	128	124	125	136	145	142	146	146	149	146	145	142	1	4	53	155	14 48	123	32
21				145	146	146	146	149	152	156	156	160	149	138	133	131	133	131	130	136	138	141	145	146	146	145	144	143	1	8	18	162	15 01	128	34
22			✓	141	141	145	146	150	158	166	177	172	159	145	138	135	131	131	134	145	144	142	147	147	144	141	143	147	1	7	40	183	14 38	129	54
23				142	142	146	150	155	155	160	162	154	145	141	142	142	137	131	129	133	142	145	149	149	150	149	147	146	1	7	28	165	15 03	129	36
24	✓			147	149	150	150	151	152	150	148	150	146	147	147	138	134	129	130	135	141	147	150	149	148	148	148	145	0	5	32	154	14 40	125	29
25			✓	149	149	149	149	152	155	150	150	154	151	167	180	184	163	149	135	134	138	143	147	146	145	146	146	151	1	11	48	197	15 53	133	64
26				147	146	146	150	151	149	151	155	153	150	153	158	165	157	143	138	138	142	150	149	147	149	150	150	149	1	12	18	167	15 30	135	32
27	✓			150	150	150	151	152	150	154	154	150	156	158	162	154	150	145	142	142	142	147	149	148	149	149	148	150	0	11	33	162	16 48	141	21
28	✓			151	151	152	152	152	152	151	151	151	144	140	139	136	139	138	138	135	139	146	147	146	146	146	141	145	0	5	08	153	16 52	133	20
29			✓	143	143	143	147	149	149	149	147	148	156	156	143	136	143	138	138	136	139	144	147	146	147	151	149	145	1	10	01	164	12 25	135	29
30				147	146	148	151	148	151	155	163	161	156	154	151	150	145	138	132	130	138	144	148	147	146	146	147	148	1	7	27	167	16 02	130	37
31																																		
MEANS ALL DAYS				148	148	150	151	153	154	155	157	158	156	154	152	147	142	138	135	136	141	146	149	148	148	148	148	148							35
MEANS TEN DAYS ✱				150	150	151	152	154	153	153	154	154	152	151	151	146	143	139	136	136	141	147	150	150	150	149	148	148							28
MEANS FIVE DAYS † (G. M. T.)				148	149	150	152	154	152	151	153	152	152	151	152	148	146	142	136	136	141	146 146	150 150	149	149	148	148	148							
MEANS FIVE DAYS ‡ (G. M. T.)				145	145	147	149	151	154	156	161	162	158	157	153	149	144	138	132	134	137	142	146	146	147	147	145	148							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 208

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1940

DECEMBER 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				146	147	147	147	146	143	146	149	148	147	145	143	143	138	140	136	135	138	144	148	147	145	146	146	144	0	7	44	16	18	17
2				147	147	148	148	149	148	153	158	160	151	140	139	135	138	142	135	131	137	147	150	148	148	148	148	146	1	8	05	16	34	35
3				148	148	148	151	154	153	156	165	164	153	150	146	135	134	132	134	136	139	147	149	148	148	147	145	147	0	8	01	14	28	39
4	✓			146	147	147	149	152	154	156	159	158	149	152	150	142	135	133	133	135	137	144	143	146	146	146	144	146	0	7	48	13	55	30
5	✓			145	148	149	149	152	150	151	160	162	157	152	144	133	131	134	134	134	137	143	148	148	148	147	147	146	0	8	47	12	38	33
6	✓	✓		147	147	148	149	151	152	155	163	162	152	139	131	124	131	134	136	139	139	145	149	149	148	146	147	145	0	7	41	12	24	42
7	✓	✓		148	149	149	149	150	149	148	144	143	139	136	136	139	138	132	131	136	139	144	146	148	149	149	149	143	0	5	18	14	58	21
8	✓	✓		148	148	148	148	149	151	157	175	182	184	190	186	164	142	132	128	127	132	140	147	148	150	150	149	153	0	10	58	16	13	68
9				145	144	143	144	145	149	147	150	163	166	156	149	139	128	133	132	134	141	145	147	149	150	150	149	146	0	9	28	13	33	44
10				149	147	148	149	150	149	153	165	163	165	163	154	167	162	144	140	139	141	145	150	150	150	149	150	152	1	12	48	17	07	37
11	✓			150	150	151	152	152	151	155	158	154	141	135	132	130	140	135	129	123	129	140	144	147	149	149	149	144	1	7	08	16	28	38
12				148	149	150	150	150	149	150	151	153	149	156	162	161	150	133	125	121	129	140	145	145	145	148	148	146	0	12	16	16	08	44
13				149	149	150	149	148	149	150	156	161	159	163	159	150	137	134	130	128	132	141	147	148	148	146	146	147	1	10	38	16	38	37
14				146	147	149	150	150	146	145	145	149	143	144	147	139	136	150	152	141	144	146	149	147	147	147	148	146	0	14	53	13	23	21
15				148	148	149	150	150	150	150	158	155	146	138	137	144	158	161	155	149	145	145	149	150	150	147	145	149	0	14	01	11	38	33
16				145	146	149	150	153	153	152	157	159	158	147	141	139	141	140	140	144	144	146	149	147	147	147	148	148	1	8	42	12	35	25
17	✓			149	149	149	150	150	149	150	157	159	157	158	151	139	138	140	142	144	145	150	151	149	148	147	148	149	0	10	12	12	59	24
18	✓	✓		149	149	150	150	150	150	150	157	157	153	145	141	134	127	128	137	141	144	146	149	149	149	148	147	146	0	7	41	13	58	34
19	✓	✓		147	148	149	150	150	149	150	160	162	157	153	150	146	140	145	136	135	141	146	147	146	147	147	148	148	0	8	51	16	08	29
20			✓	147	145	145	148	150	153	155	160	167	170	149	141	136	142	141	134	133	142	146	151	149	147	144	142	147	1	9	11	12	38	47
21			✓	142	143	145	150	152	150	153	161	163	157	158	153	145	141	135	132	132	139	144	149	149	147	146	146	147	1	8	19	16	08	35
22			✓	148	145	148	149	149	149	149	162	168	173	159	149	139	143	145	144	141	141	146	150	150	149	149	147	150	1	9	02	12	33	43
23				146	147	147	147	148	149	154	161	164	162	165	160	148	146	144	137	133	136	145	148	149	148	148	147	149	1	10	52	16	38	34
24	✓			148	148	149	150	150	149	145	148	149	145	141	132	128	128	132	125	125	135	148	149	150	149	149	149	143	0	8	18	15	51	31
25				148	147	150	150	150	148	153	162	167	166	156	158	160	169	167	153	137	140	147	149	149	148	147	146	153	1	8	49	16	30	35
26				146	145	147	148	149	150	150	152	154	149	154	155	151	141	133	130	129	134	142	146	148	146	146	145	145	0	10	58	16	28	30
27				145	145	144	144	144	145	144	146	150	156	160	160	155	143	131	122	126	135	146	148	147	147	148	149	145	0	10	58	15	28	41
28				147	148	148	149	153	150	146	146	148	142	143	143	145	147	149	145	141	140	138	143	145	145	145	145	145	1	4	48	18	28	16
29				145	145	146	149	150	150	152	158	156	153	146	140	132	133	136	138	141	141	144	145	145	145	145	146	145	1	7	26	12	28	29
30			✓	141	141	144	146	145	145	150	162	166	170	163	156	159	156	155	154	155	154	146	146	145	144	140	137	151	1	9	45	23	30	38
31			✓	138	144	145	146	148	145	146	153	158	153	150	140	127	131	153	154	153	151	150	150	148	146	145	145	147	1	8	28	12	26	37
MEANS ALL DAYS				146	147	148	149	150	149	151	157	159	156	152	148	143	141	140	137	136	139	145	148	148	148	147	147	147						34
MEANS TEN DAYS ✱				148	148	149	150	151	150	152	158	159	153	150	145	138	135	134	133	134	138	145	147	148	148	148	148	146						35
MEANS FIVE DAYS † (G. M. T.)				148	148	149	149	150	150	152	160	161	157	153	149	141	136	134	134	136	139	146 144	149 148	149	148	147	148	147						
MEANS FIVE DAYS ‡ (G. M. T.)				143	144	145	148	149	148	151	160	164	165	156	148	141	143	146	144	143	145	146	148	147	146	144	144	148						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 209

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1941 JANUARY 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				523	521	520	521	521	520	510	514	522	531	551	560	548	548	550	537	518	529	531	533	536	536	532	530	531	1	11 00	564	6 20	508	56
2	✓			528	527	524	522	522	523	518	527	541	561	576	579	582	566	549	528	519	518	521	528	531	532	531	529	537	0	12 21	587	6 27	516	71
3	✓			524	522	519	518	518	513	501	508	518	530	551	569	577	575	557	528	522	528	527	531	532	533	532	530	532	0	12 58	580	6 48	500	80
4				520	520	516	516	518	520	514	532	547	548	553	568	578	552	537	528	522	521	522	528	529	527	526	524	532	0	12 40	580	6 18	512	68
5	✓	✓		522	520	515	513	514	514	511	521	542	557	561	568	559	547	529	521	505	508	515	528	530	527	521	528	528	0	10 48	574	16 36	503	71
6				539	538	523	513	521	522	512	531	558	572	585	597	580	561	550	533	521	517	517	527	531	533	531	530	539	1	11 30	606	6 21	507	99
7				530	527	526	525	527	527	517	520	531	531	540	544	548	547	531	532	521	515	519	532	534	533	535	533	530	0	12 08	554	17 08	512	42
8				531	531	532	529	533	527	511	506	513	523	543	560	558	552	548	538	528	522	520	524	531	531	528	522	531	0	11 34	565	7 23	503	62
9				522	515	516	522	523	530	523	527	523	513	516	521	521	527	528	528	522	515	521	523	523	529	531	531	523	1	13 39	534	9 21	507	27
10				528	527	522	523	524	519	508	510	528	541	549	548	548	549	553	536	529	521	521	527	528	530	532	533	531	0	14 08	561	6 58	503	58
11				531	524	520	522	521	517	510	528	541	552	560	549	534	523	521	521	527	520	519	522	528	530	530	532	528	0	10 08	562	6 10	507	55
12	✓			531	529	528	525	524	521	511	521	541	561	559	550	546	540	541	541	532	519	516	522	524	530	531	531	532	0	9 24	568	6 28	509	59
13	✓			530	527	523	522	520	512	507	516	529	541	547	531	517	497	501	522	533	531	531	532	534	533	531	528	525	0	10 28	548	13 51	489	59
14	✓	✓		526	524	522	522	520	517	516	528	539	542	552	561	548	537	530	527	527	526	523	530	529	529	530	529	531	0	11 20	564	6 00	511	53
15	✓	✓		527	526	519	517	517	514	505	521	532	543	543	539	525	511	500	503	513	518	523	531	531	528	523	520	522	0	10 03	549	14 24	499	50
16				515	510	507	506	505	502	502	521	537	556	566	578	569	548	536	526	529	525	525	538	549	537	536	528	531	0	11 13	579	6 10	498	81
17			✓	518	510	501	498	500	512	497	498	522	535	557	576	547	537	532	532	531	537	535	537	533	531	530	522	526	1	11 27	596	7 00	487	109
18			✓	519	516	514	517	518	520	519	522	530	541	556	569	570	576	568	550	546	540	539	537	536	532	529	522	537	1	13 04	583	2 11	509	74
19				512	509	512	501	509	516	509	510	521	531	542	549	549	551	547	537	537	541	537	533	530	527	521	520	527	0	13 37	560	3 48	500	60
20				519	516	516	517	518	522	520	530	535	538	547	549	547	540	540	540	537	531	528	527	526	522	522	520	529	0	11 06	550	2 18	513	37
21	✓	✓		517	514	513	513	516	520	516	519	515	529	540	550	558	562	555	539	527	527	527	527	526	522	520	516	528	0	13 41	565	2 58	512	53
22	✓			515	513	509	511	517	516	511	520	526	530	536	540	541	546	535	525	518	512	517	525	528	527	523	521	523	0	12 50	552	2 48	508	44
23			✓	517	512	510	507	509	511	500	499	510	522	530	531	532	526	526	542	530	529	533	529	525	527	526	528	521	1	15 30	546	6 58	496	50
24			✓	522	511	512	511	509	512	499	512	518	519	537	550	550	550	560	557	541	526	527	530	529	526	526	522	527	1	14 10	568	6 55	494	74
25			✓	521	515	513	515	512	503	499	509	516	539	550	548	546	553	560	543	526	527	530	528	526	528	525	520	527	1	14 10	563	6 25	497	66
26				517	512	512	516	517	512	502	513	527	532	540	541	538	530	536	532	516	506	512	520	522	522	522	520	522	0	12 02	547	6 28	499	48
27				518	511	509	510	511	510	500	507	521	541	542	551	560	561	561	532	521	521	522	522	522	521	520	517	525	1	13 01	572	6 18	499	73
28				517	515	511	512	512	511	498	502	519	529	539	546	549	548	549	541	523	516	516	522	522	522	522	522	523	0	14 32	558	6 31	496	62
29				520	516	515	512	517	517	508	518	537	546	546	541	546	546	543	535	529	526	522	525	526	523	522	520	527	0	9 43	550	6 33	503	47
30				517	516	514	515	517	517	510	517	536	547	560	572	571	569	551	532	526	518	519	522	523	523	521	520	531	0	11 45	577	6 28	507	70
31	✓	✓		516	511	509	511	515	516	500	501	521	534	540	550	560	569	566	551	535	519	514	518	519	519	519	519	526	0	13 19	577	6 48	498	79
MEANS ALL DAYS				522	519	516	516	517	517	509	516	529	539	549	554	552	547	542	533	526	523	524	528	529	528	527	525	529						62
MEANS TEN DAYS ✱				524	521	518	517	518	517	510	518	530	543	550	554	551	545	536	528	523	521	521	527	528	528	526	525	528						62
MEANS FIVE DAYS † (G. M. T.)				522	519	516	515	516	516	510	518	530	541	547	554	550	545	536	528	521	520	525 520	528 527	528	527	526	524	527						
MEANS FIVE DAYS ‡ (G. M. T.)				519	513	510	510	510	512	503	508	519	531	546	555	549	548	549	545	535	532	533	532	533	530	528	524	528						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
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Δ̄ = NO RECORD

TABLE 210

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1941 — FEBRUARY 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1	✓	✓		517	517	514	515	515	517	510	514	526	545	571	581	576	578	576	556	528	515	509	515	521	520	520	518	532	0	11	40	587	6	25	506	81
2	✓			516	513	516	518	521	522	507	491	500	515	520	526	530	541	555	559	545	529	525	521	526	522	517	511	523	0	15	28	560	7	21	490	70
3				512	509	510	512	519	533	518	521	529	535	546	549	550	560	556	545	536	527	521	521	528	523	525	520	529	1	13	31	566	1	58	504	62
4	✓			523	521	518	521	526	527	518	518	520	526	531	541	553	558	558	550	538	530	526	520	519	520	521	520	529	1	13	43	563	6	51	511	52
5				521	518	518	517	520	525	509	498	510	517	530	540	547	546	549	556	548	529	520	526	528	527	527	528	527	1	14	57	561	7	42	492	69
6				521	511	516	517	520	516	509	501	507	518	531	535	537	540	540	541	537	527	514	508	516	522	527	522	522	1	15	32	547	7	44	499	48
7			✓	519	520	518	516	519	520	505	499	512	519	538	549	547	543	539	533	525	510	510	517	516	520	520	516	522	1	11	38	555	7	12	496	59
8				518	516	515	514	513	510	491	495	511	527	537	534	529	525	519	515	511	511	515	518	520	519	520	520	517	0	10	43	545	6	51	486	59
9				516	509	511	516	515	510	497	498	515	532	532	538	540	540	533	529	524	511	515	520	526	520	519	518	520	0	13	06	549	6	38	492	57
10	✓			515	515	518	516	512	514	501	507	523	536	548	548	548	540	541	531	518	509	512	516	519	521	520	522	523	0	11	07	557	6	38	498	59
11	✓	✓		520	516	516	519	517	513	501	512	532	547	547	541	530	526	536	529	511	500	507	518	519	519	521	521	522	0	11	10	550	17	38	498	52
12	✓	✓		521	520	517	515	515	507	490	497	517	530	541	551	546	536	531	529	527	521	519	521	521	526	525	522	523	0	11	28	554	6	36	487	67
13			✓	515	509	505	496	495	488	479	479	492	514	554	555	538	536	531	539	529	519	521	529	531	520	516	517	517	1	12	05	571	7	12	470	101
14				515	510	507	501	505	498	490	497	512	525	530	540	537	529	520	520	520	511	511	519	520	516	519	509	515	0	12	33	546	6	48	488	58
15				505	Δ							Δ	505	515	525	530	526	519	515	514	513	517	523	524	521	519	517	Δ	1	12	36	540	Δ		Δ	Δ
16				515	513	513	510	514	516	509	507	508	516	524	538	545	544	537	524	514	513	515	520	521	521	519	515	520	0	12	21	550	7	28	505	45
17				514	511	510	511	513	513	496	486	497	518	528	546	558	545	545	539	535	526	520	520	521	521	520	517	521	1	12	33	568	7	28	483	85
18	✓	✓		514	509	510	509	510	512	507	508	517	528	534	540	547	547	544	528	514	512	515	517	518	517	515	514	520	0	12	21	553	6	53	500	53
19	✓			515	514	511	509	508	508	500	500	510	518	511	516	515	511	524	528	527	518	516	516	518	518	517	514	514	0	15	25	530	6	58	497	33
20				514	510	509	507	506	507	490	485	494	503	521	532	536	540	548	535	519	517	522	525	524	518	518	516	516	0	14	36	554	7	24	480	74
21			✓	514	513	510	510	510	507	503	501	509	525	530	534	526	526	537	538	534	526	526	529	519	524	519	514	520	1	14	40	546	7	58	497	49
22			✓	517	513	513	512	507	505	499	496	502	505	517	525	519	530	528	536	527	520	523	525	522	520	518	517	516	1	15	07	540	6	54	489	51
23			✓	513	510	505	507	510	511	508	510	518	520	527	529	542	548	549	540	531	529	524	521	520	519	515	514	522	1	13	32	558	2.18		499	59
24				508	506	508	509	515	514	494	485	486	497	510	510	515	525	526	525	520	520	517	517	516	515	518	516	511	0	14	22	532	7	25	479	53
25				510	508	509	510	515	515	508	508	511	529	537	551	550	550	541	525	519	511	514	517	518	515	510	510	520	0	11	43	561	7	02	500	61
26				514	510	511	515	518	516	506	500	507	514	517	523	529	533	537	519	508	508	510	516	516	515	515	514	515	0	14	18	549	6	58	497	52
27	✓	✓		510	508	510	510	516	517	499	496	497	498	510	528	537	540	545	535	523	517	514	514	516	516	515	513	516	0	14	28	546	7	18	495	51
28	✓			507	507	508	509	515	520	507	508	510	507	505	504	514	524	538	534	527	525	517	514	515	518	518	513	515	0	14	55	539	24	00	497	42
29																																				
30																																				
31																																				
MEANS 27 DAYS				515	512	512	512	514	513	502	501	510	521	531	537	539	539	540	535	526	518	517	519	521	520	519	517	520								59
MEANS TEN DAYS ✲				516	514	514	514	516	516	504	505	515	525	532	538	540	540	545	538	526	518	516	517	519	520	519	517	522								55
MEANS FIVE DAYS † (G. M. T.)				516	514	513	514	515	513	501	505	518	530	541	548	547	545	546	535	521	513	513 513	518 517	519	519	519	519	523								
MEANS FIVE DAYS ‡ (G. M. T.)				516	513	510	508	508	506	499	497	507	517	533	538	534	537	537	537	529	521	521	522	520	522	521	518	520								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
{ } = INTERPOLATED
( ) = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-seven days only, omitting incomplete day February 15.

TABLE 211

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1941 — MARCH 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	490	470	460	426	442	484	491	510	585	585	609	624	631	562	551	548	549	537	542	543	539	541	548	548	534	2	11	13	539	3 32	243	296
2				547	545	545	544	542	541	530	523	528	536	546	551	559	560	555	548	531	522	518	518	521	521	519	521	536	1	13	15	568	19 03	515	53
3				526	526	523	526	528	521	506	505	510	521	529	552	559	549	543	531	521	517	518	518	526	523	523	525	526	1	12	20	569	7 11	497	72
4				521	525	526	525	529	526	509	505	507	517	518	528	541	554	560	551	537	526	519	519	521	526	526	519	526	1	15	10	564	8 38	499	65
5				527	526	524	522	525	526	511	498	495	492	499	519	531	539	542	539	531	528	528	527	521	521	526	522	522	0	15	08	546	9 23	486	60
6				521	521	520	521	526	526	529	530	529	528	540	545	551	548	538	528	520	516	518	520	521	520	519	518	527	0	12	21	555	17 08	515	40
7				516	512	511	514	515	519	514	510	510	508	511	521	531	545	549	548	536	526	520	518	519	516	514	515	521	0	13	37	557	9 15	506	51
8	✓			514	511	513	516	516	518	508	502	507	508	507	508	521	542	546	545	546	521	519	519	521	519	518	517	519	0	13	51	548	8 06	500	48
9				515	509	510	514	522	525	523	517	510	500	495	498	517	531	538	536	526	520	521	522	522	520	519	517	518	0	14	10	543	10 34	490	53
10	✓	✓		516	515	516	519	521	525	527	521	518	508	509	521	530	540	540	534	526	518	518	519	520	520	520	519	522	0	13	38	543	10 08	506	37
11				518	516	517	519	521	522	519	508	506	500	507	511	516	518	516	508	509	518	521	527	522	520	520	518	516	0	18	58	528	9 18	499	29
12	✓			516	512	511	513	515	516	508	500	498	489	493	516	529	540	541	536	527	523	524	528	528	526	525	518	518	0	13	06	547	9 25	485	62
13				518	516	515	515	515	516	508	498	494	489	486	492	505	519	521	521	521	524	525	528	521	526	526	518	513	0	14	30	530	10 56	475	55
14			✓	506	500	499	509	500	495	485	499	516	526	531	544	541	535	528	521	520	523	521	523	525	526	522	521	517	1	11	40	551	6 35	472	79
15				519	518	516	511	519	518	511	509	509	516	520	529	542	540	538	528	526	519	520	519	519	519	518	517	521	0	12	24	550	7 58	502	48
16	✓	✓		516	517	517	518	519	523	517	519	522	532	543	554	566	564	546	529	515	512	515	516	516	516	516	515	526	0	13	08	573	16 53	510	63
17	✓	✓		514	515	512	514	519	520	509	505	509	515	520	531	539	544	536	521	520	519	518	518	518	517	517	516	519	0	13	28	546	7 43	502	44
18	✓			516	515	514	516	518	520	519	519	525	529	531	542	556	557	541	521	515	514	514	517	516	515	512	511	523	0	13	11	561	18 11	511	50
19				511	510	507	508	511	515	503	499	508	509	526	546	547	549	538	532	525	521	523	527	522	519	517	512	520	1	11	57	563	7 01	489	74
20				511	509	502	509	515	517	512	516	511	515	527	531	540	546	537	531	530	527	521	519	516	515	510	511	520	1	13	20	556	2 08	499	57
21				514	513	504	510	516	520	521	526	527	528	527	528	538	549	536	521	517	515	515	518	517	519	514	516	521	1	13	58	556	2 47	501	55
22				511	510	511	514	516	518	518	518	530	535	539	551	557	554	539	524	518	519	516	514	515	517	516	516	524	1	13	04	567	1 51	506	61
23				515	509	509	511	515	516	512	511	510	511	515	527	538	535	538	526	521	517	516	511	515	517	516	515	518	0	12	05	547	7 26	506	41
24	✓			514	512	511	514	515	516	518	516	518	525	529	535	545	546	536	529	521	514	516	517	515	515	512	510	521	0	12	34	551	2 50	510	41
25	✓			510	510	509	510	510	514	507	499	496	491	491	500	510	515	510	505	506	509	511	512	514	511	512	511	507	0	13	00	518	9 30	489	29
26	✓	✓		511	511	510	510	512	517	520	527	532	535	529	528	527	528	528	521	516	511	510	511	511	510	511	511	518	0	9	30	537	3 40	509	28
27	✓	✓		510	509	509	512	515	516	511	506	500	491	489	492	504	509	515	513	510	510	509	509	510	517	516	514	508	0	21	48	519	10 20	488	31
28			✓	511	509	512	515	514	508	517	535	540	536	538	550	555	547	528	519	518	521	517	516	514	514	518	519	524	1	12	07	568	5 18	502	66
29				517	516	516	519	519	519	518	520	522	526	529	530	535	536	538	531	527	519	521	519	518	515	515	515	522	1	14	20	547	21 58	509	38
30			✓	510	518	518	519	526	529	522	518	519	515	517	519	521	511	506	516	517	515	530	515	509	519	509	519	517	1	18	18	540	20 06	500	40
31			✓	518	520	521	527	528	531	519	520	532	531	530	535	531	523	509	501	508	508	508	510	512	518	517	518	520	1	12	21	544	15 25	500	44
MEANS ALL DAYS				515	514	513	514	516	519	514	513	517	518	522	531	539	540	535	528	523	519	519	519	519	519	518	517	521							58
MEANS TEN DAYS *				514	513	512	514	516	518	514	511	512	512	514	523	533	538	534	525	520	515	515	517	517	517	516	514	518							43
MEANS FIVE DAYS † (G. M. T.)				513	513	513	515	517	520	517	516	516	516	518	525	533	537	533	524	517	514	515 514	516 515	516	515	515	514	519							
MEANS FIVE DAYS ‡ (G. M. T.)				507	503	502	499	502	509	507	516	538	539	545	554	556	536	524	521	522	521	524	517	515	519	517	516	521							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 212

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1941 — APRIL 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			518	519	519	520	520	521	517	514	514	519	520	539	546	545	528	517	515	512	512	508	509	512	512	516	520	0	12	51	20	03	43
2				518	519	522	519	521	519	511	507	504	499	499	519	548	551	541	529	519	513	510	511	513	514	514	514	518	0	13	15	9	25	60
3				517	517	519	523	525	521	520	510	502	497	495	494	501	510	512	516	510	507	508	511	511	513	516	515	511	0	4	18	10	33	37
4	✓			515	518	519	519	521	519	518	509	506	500	499	509	508	496	491	496	504	509	511	515	513	516	516	516	510	0	4	09	14	24	32
5	✓			516	515	517	516	519	523	529	530	529	532	531	530	536	529	521	516	509	508	510	511	510	508	510	514	520	0	12	51	17	28	33
6				510	513	518	518	520	520	510	498	490	485	483	484	498	508	512	516	517	518	516	513	516	514	511	512	508	0	5	31	11	17	43
7			✓	511	511	511	513	515	517	516	516	516	513	509	519	526	528	518	513	512	519	525	518	518	516	516	511	516	1	13	11	10	10	30
8				511	510	510	511	511	516	515	505	499	497	495	496	506	509	504	500	499	499	508	512	514	514	514	506	507	1	5	24	11	23	27
9				508	509	509	510	515	518	527	526	521	525	520	523	535	539	531	518	510	508	509	509	509	510	511	510	517	1	13	38	2	58	35
10			✓	508	506	499	508	512	516	511	501	498	495	496	489	494	489	490	490	507	518	516	514	514	512	511	510	504	1	17	53	11	35	42
11				509	509	502	501	510	515	521	526	530	537	528	517	519	516	506	505	508	506	509	508	511	510	509	508	513	1	9	45	14	41	40
12				505	506	507	510	514	516	516	515	515	516	515	509	507	509	510	506	505	506	509	510	511	511	512	510	510	0	6	15	0	48	49
13	✓			509	509	510	512	514	512	510	507	501	504	514	519	516	506	498	506	511	515	511	509	509	509	511	510	510	0	11	13	14	08	24
14	✓	✓		510	510	510	510	510	510	514	516	520	527	530	528	518	511	511	511	505	507	508	507	508	510	511	510	513	0	10	01	16	28	30
15	✓			510	510	511	513	515	516	513	510	508	508	512	510	508	505	498	497	500	506	509	512	511	511	512	510	509	0	10	35	15	18	25
16				510	509	509	511	510	512	505	498	506	506	515	519	527	529	522	519	511	509	512	511	509	509	509	510	512	0	13	14	7	31	41
17				509	509	506	508	508	500	496	496	498	500	504	505	503	509	514	510	509	508	509	514	511	509	508	507	506	0	20	02	6	38	22
18				508	508	508	508	510	511	514	510	513	520	528	533	541	544	542	529	519	512	510	511	510	511	508	508	517	1	14	22	24	00	47
19			✓	491	496	508	505	507	511	517	525	530	524	528	511	515	518	521	517	509	506	505	509	511	508	509	509	512	1	8	12	0	18	53
20				509	506	504	508	516	520	518	510	506	505	508	504	504	504	505	507	507	509	511	511	512	511	512	509	509	0	5	48	9	18	25
21				507	509	510	516	517	521	521	521	520	521	519	521	521	516	516	519	516	510	507	508	508	509	507	507	514	0	7	33	0	48	24
22	✓	✓		505	499	505	511	515	519	520	519	516	510	506	512	517	520	523	523	516	506	508	507	506	507	508	506	512	0	14	40	1	41	29
23	✓	✓		507	508	508	509	510	511	507	500	496	495	497	501	505	501	499	497	500	505	507	507	507	507	508	507	504	0	5	37	8	52	20
24			✓	506	505	509	500	506	510	518	524	525	512	499	501	511	514	499	499	500	505	516	509	507	512	517	511	509	1	7	02	10	06	50
25			✓	509	510	509	518	522	521	521	530	530	530	529	527	528	525	518	521	519	514	510	510	510	509	510	511	518	1	10	05	2	15	41
26				507	511	510	515	510	511	512	506	499	496	498	499	498	513	514	515	511	506	508	509	511	510	511	510	508	0	14	58	9	33	22
27	✓	✓		511	511	511	512	518	521	525	521	518	517	512	511	507	502	501	500	501	507	508	507	509	509	507	506	510	0	6	28	16	08	28
28				509	509	508	508	510	511	501	499	505	507	511	515	517	512	505	501	499	508	504	499	503	505	506	510	507	1	10	48	19	54	32
29				511	517	519	516	517	519	518	517	510	512	518	526	530	527	520	518	515	510	506	507	508	509	509	509	515	0	12	28	18	28	25
30	✓	✓		509	510	511	512	515	513	510	501	491	489	491	501	505	491	488	495	499	505	506	507	507	508	509	509	503	0	4	48	14	14	30
31																																		
MEANS ALL DAYS				509	510	511	512	514	516	515	512	510	510	510	512	516	516	512	510	509	509	510	510	510	510	511	510	511						34
MEANS TEN DAYS *				511	511	512	513	516	516	516	513	510	510	511	516	517	511	506	506	506	508	509	509	509	510	510	510	511						29
MEANS FIVE DAYS † (G. M. T.)				508	506	509	511	514	515	515	511	508	508	507	511	510	505	504	505	504	506	508 507	508 507	508	509	509	508	509						
MEANS FIVE DAYS ‡ (G. M. T.)				505	506	507	509	512	515	517	519	520	515	512	509	515	515	509	508	509	512	514	510	510	511	511	510	512						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 213

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1941 | MAY 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				510	510	512	513	518	516	510	515	517	523	532	546	546	530	516	507	507	507	505	506	506	506	506	506	515	0	11	58 549	15	52 503	46
2	✔	✔		511	516	515	517	517	519	521	517	512	511	509	508	509	507	507	508	509	506	501	504	509	509	511	510	511	0	6	38 522	18	28 502	20
3	✔	✔		509	510	512	516	518	518	516	507	502	506	518	529	537	529	520	518	513	508	505	507	507	508	510	507	514	0	12	42 539	8	38 500	39
4				508	507	507	516	520	520	520	520	518	516	514	522	522	522	527	526	511	506	503	506	506	506	507	507	514	1	14	48 529	1	48 500	29
5	✔	✔		507	509	510	511	514	517	511	506	499	496	499	510	511	511	522	521	508	501	502	500	502	504	506	507	508	0	14	58 525	9	31 491	34
6				508	508	507	508	511	509	508	501	497	492	493	507	525	522	516	510	502	502	502	502	505	507	509	509	507	0	12	59 529	10	04 489	40
7	✔			507	509	509	510	511	512	511	511	511	510	508	528	528	530	521	518	511	507	505	505	505	506	507	506	512	0	13	31 531	18	38 503	28
8				506	506	508	508	509	510	510	510	507	499	498	501	510	516	512	512	502	501	502	504	508	508	510	507	507	0	13	57 518	9	56 497	21
9				508	503	501	507	509	512	528	530	528	519	516	517	517	520	520	502	498	500	502	501	502	509	510	507	511	0	7	32 531	16	18 496	35
10				507	507	507	510	512	518	528	528	528	525	520	519	522	517	519	510	501	499	497	502	502	504	503	502	512	0	6	38 531	18	28 496	35
11	✔			504	502	505	507	509	512	519	520	523	524	520	521	521	517	517	511	504	502	502	503	503	507	506	505	511	0	8	58 527	18	28 501	26
12				506	504	507	509	509	511	517	513	512	510	512	511	516	517	511	507	502	503	502	507	511	509	508	507	509	0	13	10 519	18	48 500	19
13				502	505	507	506	510	511	512	521	518	521	522	528	528	519	516	513	504	500	499	500	501	503	502	507	511	0	12	18 531	18	28 498	33
14	✔			506	506	508	509	510	509	510	517	512	508	508	509	514	510	501	497	498	497	498	499	500	500	500	500	505	0	6	51 519	15	48 496	23
15	✔			499	501	505	507	507	509	512	516	511	508	512	521	528	522	516	507	499	496	498	499	497	500	500	502	507	0	12	18 529	17	18 493	36
16				502	500	499	502	507	507	512	517	516	510	499	501	518	515	510	509	506	499	498	500	501	501	502	501	506	0	8	28 521	10	25 493	28
17			✔	491	487	497	506	507	507	506	519	519	511	513	519	519	519	522	510	503	500	502	509	511	511	510	508	509	0	8	18 528	1	09 479	49
18				509	508	510	511	511	513	519	524	521	515	519	524	528	527	520	507	500	498	502	505	506	507	504	506	512	1	12	11 529	17	02 495	34
19	✔	✔		507	506	507	507	507	510	519	518	509	507	511	519	521	526	519	511	506	501	500	500	501	502	503	503	509	0	13	28 529	18	38 499	30
20	✔	✔		504	504	506	507	508	512	519	512	491	477	478	482	483	488	498	497	491	491	497	500	501	502	503	503	498	0	6	51 522	9	54 472	50
21			✔	507	508	508	510	512	512	518	522	519	510	507	510	502	492	498	495	490	499	509	506	506	502	503	507	506	1	6	48 528	16	58 486	42
22			✔	511	516	514	513	516	517	525	531	521	509	517	517	520	519	512	501	503	501	500	500	498	502	506	508	512	1	7	09 535	15	48 490	45
23			✔	509	510	510	514	507	513	521	527	510	509	507	517	518	518	510	509	494	501	499	502	501	507	508	504	509	1	7	01 540	16	51 488	52
24			✔	499	507	511	511	512	513	523	532	523	523	521	518	519	519	509	504	505	504	500	500	502	503	508	508	511	1	7	18 536	0	16 493	43
25				510	510	511	512	513	516	523	533	537	528	522	518	520	520	510	502	494	499	501	500	499	502	506	506	512	0	8	13 540	16	56 488	52
26				505	502	503	507	511	513	517	521	521	517	509	509	512	528	521	511	500	498	500	500	500	501	503	505	509	0	13	28 530	17	11 497	33
27	✔			506	507	506	507	511	512	516	520	509	502	502	508	512	520	521	511	500	498	496	495	497	500	504	504	507	0	14	12 524	19	11 492	32
28				507	501	500	506	508	515	521	522	518	512	507	509	512	516	508	499	491	488	493	498	500	502	502	504	506	0	7	11 528	17	18 486	42
29				503	506	508	508	507	510	517	522	522	521	527	531	538	534	518	500	487	487	492	497	500	500	501	501	510	0	12	59 541	16	52 481	60
30				501	500	501	503	507	511	519	527	528	517	513	520	519	513	507	503	498	496	496	500	507	504	506	507	508	0	8	21 530	16	58 493	37
31				509	509	508	509	511	516	520	521	517	511	510	502	498	500	516	509	501	498	496	497	498	500	502	500	507	0	7	00 524	12	42 493	31
MEANS ALL DAYS				506	506	507	509	511	513	517	519	515	511	511	516	518	518	514	508	501	500	500	502	503	504	505	505	509						36
MEANS TEN DAYS ✱				506	507	508	510	511	513	515	514	508	505	506	514	516	516	514	510	504	501	500	501	502	504	505	505	508						32
MEANS FIVE DAYS † (G. M. T.)				508	509	510	512	513	515	517	512	503	499	503	510	512	512	513	511	505	501	502 501	504 502	506	506	506	506	508						
MEANS FIVE DAYS ‡ (G. M. T.)				503	506	508	511	511	512	519	526	518	512	513	516	516	513	510	504	499	501	502	502	501	503	504	505	509						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 214

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1941 — JUNE 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				500	503	505	504	507	508	513	521	514	513	510	513	512	512	510	510	500	498	500	498	500	500	501	500	506	0	7	18	522	17 08	497	25
2	✓	✓		501	501	502	507	507	510	520	527	521	523	522	522	521	526	528	518	503	499	498	498	497	497	498	499	510	0	14	38	529	22 08	496	33
3	✓	✓		499	501	502	503	507	508	513	521	512	508	510	517	527	533	532	528	512	501	501	499	499	499	500	501	510	0	13	58	539	0 00	498	41
4	✓	✓		501	503	504	508	510	513	529	528	514	500	483	478	480	491	493	492	491	492	496	496	498	498	500	501	500	0	6	38	537	11 38	476	61
5	✓	✓		502	502	504	508	511	514	521	529	522	513	521	529	530	523	507	491	489	491	494	495	499	498	499	499	508	0	12	18	532	16 08	488	44
6				500	500	503	508	511	513	517	532	518	501	502	504	511	521	521	505	498	494	495	497	497	498	498	500	506	0	7	34	537	17 08	492	45
7	✓			499	501	500	502	506	507	508	511	508	500	499	499	504	511	510	507	499	495	497	498	497	498	499	500	502	0	7	21	517	17 18	492	25
8	✓			499	499	499	501	502	506	506	507	507	502	499	497	499	508	519	513	501	492	493	494	496	498	500	500	502	0	14	58	521	17 38	491	30
9				500	500	502	507	516	524	527	517	510	499	492	496	498	498	501	503	498	496	494	497	499	501	501	501	503	0	6	42	537	10 20	490	47
10			✓	496	491	487	493	501	505	512	519	521	522	506	498	485	499	507	500	491	487	487	491	496	497	500	502	500	1	9	11	539	12 45	477	62
11			✓	503	506	509	512	512	512	520	529	530	522	508	507	507	510	509	507	503	501	497	496	500	500	500	500	508	1	8	28	531	19 20	495	36
12				500	500	502	506	507	509	515	523	517	504	502	496	507	510	504	500	505	502	496	497	497	497	498	499	504	1	7	24	527	11 28	491	36
13			✓	500	503	500	479	487	493	503	521	522	517	511	510	506	500	499	503	500	500	496	496	500	500	511	512	503	1	8	13	535	3 38	476	59
14			✓	506	510	510	512	511	517	527	527	522	509	504	502	510	512	507	499	493	488	492	493	495	492	493	500	505	1	7	15	530	17 28	487	43
15			✓	504	506	510	517	507	507	510	520	519	517	507	502	498	503	500	496	490	489	494	498	500	501	502	505	504	1	7	56	529	16 58	487	42
16	✓	✓		505	503	503	504	507	508	507	509	500	495	497	500	505	512	518	514	506	497	493	497	497	499	500	501	503	0	14	38	519	18 28	492	27
17				500	501	502	503	506	512	521	526	522	509	499	490	490	499	502	502	510	504	500	500	504	500	495	507	504	1	6	55	528	11 42	486	42
18				510	512	507	508	509	511	528	533	520	502	490	487	489	497	507	506	496	492	491	493	496	497	498	500	503	1	7	21	539	11 02	479	60
19				500	500	503	505	507	510	511	518	518	512	506	502	512	507	506	494	488	491	497	499	498	500	500	502	504	0	8	20	522	16 51	487	35
20				502	497	497	501	507	512	521	530	522	507	502	502	506	511	516	511	502	490	489	497	499	501	502	503	505	1	7	25	534	18 41	482	52
21				502	500	496	504	508	509	511	517	514	512	510	512	517	507	500	496	498	500	497	493	499	499	499	500	504	0	7	13	525	19 08	491	34
22				500	501	502	510	509	514	520	525	520	510	511	517	514	509	498	492	483	488	491	492	494	498	500	500	504	0	7	35	530	17 14	480	50
23	✓			500	501	501	505	508	510	519	520	512	507	500	499	501	506	507	499	491	490	490	491	493	497	499	499	502	0	7	12	522	17 11	488	34
24				500	501	501	502	507	509	513	518	518	507	499	500	498	498	492	487	487	489	488	491	491	493	499	500	500	0	8	38	522	18 41	484	38
25	✓			500	500	502	503	503	506	509	517	517	509	504	506	508	507	499	490	488	490	488	488	492	499	500	500	501	0	8	02	519	19 31	484	35
26				502	505	507	509	510	516	518	525	518	505	497	496	500	498	490	482	482	480	482	488	490	496	497	494	499	0	7	08	528	17 50	478	50
27				494	499	498	500	510	511	522	535	537	527	524	527	521	513	500	492	487	486	485	488	492	497	498	500	506	1	7	53	539	18 28	483	56
28				499	500	499	501	500	501	509	517	512	509	504	508	512	500	482	478	479	486	490	490	491	498	500	500	499	0	7	05	519	15 58	477	42
29				500	501	501	502	506	509	522	528	522	516	509	505	512	506	489	482	479	483	488	490	492	496	498	499	501	0	6	51	535	16 28	477	58
30	✓			499	499	500	502	505	507	507	508	507	500	491	491	497	499	499	495	490	489	490	492	494	497	499	494	498	0	8	08	511	18 44	487	24
31																																		
MEANS ALL DAYS				501	502	502	504	507	510	516	522	517	509	504	504	506	508	505	500	495	493	493	494	496	498	499	501	504							42
MEANS TEN DAYS ✲				500	501	502	504	507	509	514	518	512	506	503	504	507	512	511	505	497	494	494	495	496	498	499	499	504							35
MEANS FIVE DAYS † (G. M. T.)				502	502	503	506	508	511	518	523	514	508	507	509	513	517	516	509	500	496	498 496	498 497	499	499	500	501	506							
MEANS FIVE DAYS ‡ (G. M. T.)				502	503	503	503	504	507	514	523	523	517	507	504	501	505	504	501	495	493	493	495	497	497	501	503	504							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 215

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1941 — JULY 1941

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				494	498	500	503	503	506	506	516	519	520	520	520	519	521	513	495	484	486	490	493	498	498	497	497	504	0	9 10	524	16 40	482	42
2	✓			495	496	493	497	501	500	499	501	502	503	501	507	512	523	521	510	501	500	496	497	498	497	496	496	502	0	14 00	527	2 50	489	38
3				495	497	500	501	502	506	507	516	509	509	501	499	494	497	497	490	489	490	490	493	494	494	495	493	498	0	7 25	522	16 09	487	35
4			✓	491	494	495	500	508	508	512	520	520	521	522	513	503	501	500	499	507	503	501	503	497	492	501	507	505	0	10 38	526	21 28	482	44
5			✓	497	453	459	472	469	490	530	580	570	601	571	553	553	539	527	513	516	527	523	525	516	519	522	526	523	2	9 05	620	1 44	436	184
6			✓	527	525	525	521	531	533	539	537	531	517	506	519	521	520	517	511	513	510	510	498	483	492	491	492	515	1	7 11	546	20 11	482	64
7			✓	508	512	509	509	508	512	519	519	519	527	532	540	552	546	528	517	511	510	507	501	503	504	505	502	517	1	12 28	555	0 08	497	58
8				503	499	492	492	502	510	518	517	513	500	500	499	507	511	502	499	499	499	499	499	500	502	505	505	503	1	6 44	521	3 36	489	32
9				504	504	506	508	510	512	517	519	520	509	506	510	512	517	511	508	488	484	488	489	492	498	499	500	505	1	7 52	527	17 13	482	45
10				500	500	502	506	508	512	517	517	510	503	504	507	506	501	490	481	481	499	497	495	495	498	500	501	501	0	7 03	520	15 28	477	43
11				500	497	491	487	497	502	508	519	526	535	536	533	539	529	515	509	507	500	497	497	497	500	500	499	509	0	12 41	540	3 36	482	58
12				499	496	489	499	507	508	510	520	508	509	509	513	522	522	512	501	495	490	490	491	493	496	498	498	503	0	13 10	525	2 31	487	38
13	✓	✓		500	502	503	507	511	510	510	510	505	505	505	506	509	512	516	507	496	497	496	496	498	498	500	500	504	0	14 31	517	16 38	493	24
14	✓	✓		501	500	502	505	506	506	502	508	507	509	515	522	531	529	510	500	500	499	495	493	495	497	498	499	505	0	12 58	534	19 48	492	42
15	✓			500	502	502	507	509	512	518	513	499	490	487	497	502	503	505	498	490	487	487	489	491	493	495	496	499	0	6 31	521	17 28	482	39
16				499	502	505	509	511	511	510	517	506	507	500	500	503	511	501	490	488	491	490	493	492	496	497	498	501	0	7 08	520	16 18	485	35
17				497	500	502	500	503	507	509	509	502	500	496	496	501	499	496	492	490	491	491	495	497	498	499	498	499	0	7 11	511	16 18	487	24
18	✓			499	500	502	504	506	506	511	512	511	503	497	501	511	501	490	489	491	490	490	490	496	497	496	498	500	0	7 37	516	14 51	487	29
19				498	499	500	502	505	506	506	507	497	486	489	491	491	499	501	482	480	489	491	491	493	496	496	497	496	0	7 21	511	15 58	478	33
20				496	497	501	503	503	509	522	532	522	509	496	489	489	492	506	500	497	495	490	490	491	489	490	492	500	0	7 28	537	11 42	485	52
21			✓	488	481	479	479	490	509	512	526	527	518	507	507	502	491	487	490	497	499	500	499	500	499	499	500	499	1	8 11	531	3 21	470	61
22				498	497	499	500	505	513	530	537	528	503	486	488	504	510	499	490	490	490	487	490	493	499	499	501	502	0	7 02	544	11 01	478	66
23				499	490	491	491	491	498	500	510	510	497	497	506	508	503	493	493	491	491	493	492	494	498	500	499	497	0	8 13	514	4 05	488	26
24				498	498	500	500	502	506	510	513	519	513	508	522	523	513	497	491	488	490	493	494	494	495	496	496	502	0	11 50	529	16 33	487	42
25				496	497	491	493	498	501	500	499	490	490	480	481	494	505	503	504	500	500	497	496	497	498	498	498	496	0	13 38	508	10 16	478	30
26	✓	✓		498	498	498	498	502	507	516	529	522	514	508	504	507	498	488	483	490	489	489	492	492	496	497	498	501	0	7 25	531	15 09	481	50
27	✓	✓		498	499	499	500	502	505	510	511	505	498	490	487	490	484	492	493	492	492	490	491	492	493	494	496	496	0	7 28	512	13 18	482	30
28	✓			497	496	497	499	502	505	510	517	518	520	522	518	517	517	507	503	498	489	488	488	490	491	492	493	503	0	10 38	525	19 40	487	38
29	✓	✓		494	496	500	502	503	505	511	516	512	500	497	501	505	506	496	492	488	486	486	487	492	491	495	496	498	0	7 28	517	18 —	485	32
30	✓			500	502	504	503	501	502	505	507	504	493	496	499	507	511	499	493	489	490	489	490	490	491	492	492	498	0	13 21	516	16 52	488	28
31				493	493	496	497	500	503	508	512	511	511	499	496	496	504	511	502	499	492	490	490	491	492	493	492	499	0	7 32	517	17 38	490	27
MEANS ALL DAYS				499	497	498	500	503	507	512	518	514	510	506	507	511	510	504	498	495	495	494	494	495	497	498	499	503						45
MEANS TEN DAYS *				498	499	500	502	504	506	509	512	508	504	502	504	509	508	502	497	494	492	491	491	493	494	496	496	501						35
MEANS FIVE DAYS † (G. M. T.)				498	499	500	502	505	507	510	515	510	505	503	504	508	506	500	495	493	493	492 491	493 492	494	496	497	497	501						
MEANS FIVE DAYS ‡ (G. M. T.)				502	493	493	496	501	510	522	536	533	537	528	526	526	519	512	506	509	510	508	502	496	497	500	502	511						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 216

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1941 AUGUST 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				491	492	493	492	498	503	504	502	492	482	479	481	487	507	520	507	499	493	487	493	497	497	495	496	495	0	14	29	522	10	28	478	44
2			✓	492	487	479	480	486	501	516	525	520	509	499	480	479	482	487	493	491	489	490	490	492	495	496	492	494	1	8	45	532	2	21	471	61
3				492	489	492	498	502	501	506	508	499	482	482	489	499	507	509	510	506	499	491	491	486	480	486	480	495	0	15	40	511	24	00	467	44
4			✓	467	490	506	500	497	508	511	522	528	536	501	501	507	498	499	492	497	499	507	502	491	508	512	509	504	2	9	11	555	0	09	460	95
5				510	509	510	510	511	512	520	511	509	501	507	512	524	532	530	520	507	483	485	490	490	492	492	492	507	1	13	58	537	17	39	479	58
6				496	492	491	508	511	518	530	533	520	507	502	493	490	487	487	486	480	481	483	491	493	497	499	497	499	0	6	50	539	16	38	479	60
7				497	500	502	507	508	514	526	528	520	511	514	519	518	511	501	497	489	487	489	489	491	493	496	497	504	0	6	38	530	17	18	484	46
8	✓			497	492	497	499	502	508	510	516	510	504	507	512	511	502	506	506	500	497	493	491	49.2	493	495	495	501	0	11	48	518	19	33	490	28
9	✓	✓		497	497	497	499	500	502	507	507	510	504	501	506	502	500	503	503	496	490	490	490	490	492	494	493	499	0	8	21	511	18	28	489	22
10	✓	✓		493	494	496	497	500	501	504	512	517	512	507	503	496	491	491	490	490	488	487	488	487	491	492	491	497	0	8	28	518	18	11	484	34
11	✓			492	493	497	497	499	502	502	508	506	506	502	491	496	500	501	500	499	487	487	488	489	488	491	492	496	0	7	28	510	18	18	485	25
12				493	493	495	500	503	503	502	507	500	491	494	500	507	512	508	497	483	480	481	482	487	489	491	492	495	0	13	18	513	17	38	479	34
13				493	492	493	498	500	499	502	507	507	506	509	510	517	513	503	497	488	482	485	488	489	490	491	491	498	0	12	50	521	17	32	481	40
14				490	493	497	498	497	505	512	518	517	511	503	510	515	510	500	494	490	490	489	488	487	490	491	492	499	0	7	56	520	20	38	486	34
15	✓			493	497	497	498	498	500	499	501	495	492	496	504	512	510	501	496	498	493	491	491	492	493	493	494	497	0	12	28	513	18	18	490	23
16	✓	✓		493	494	497	497	498	499	503	501	499	487	481	484	498	500	502	502	492	487	488	487	487	487	490	490	493	0	7	04	505	10	48	480	25
17	✓	✓		491	491	492	496	499	500	499	503	506	501	500	507	510	507	497	492	487	486	486	487	490	491	490	491	496	0	11	58	515	17	22	483	32
18				491	492	494	496	496	495	491	488	479	472	471	473	487	496	501	500	499	491	486	483	487	486	486	489	489	0	14	07	502	9	43	469	33
19				491	491	497	497	499	500	510	516	512	501	496	493	488	499	500	498	492	492	498	496	495	493	493	491	497	1	6	51	524	12	05	480	44
20	✓			492	492	491	492	498	500	502	505	502	493	487	486	493	513	528	528	512	498	490	489	488	489	490	488	498	0	14	51	532	11	01	482	50
21				488	488	491	497	503	512	522	527	520	497	477	468	466	474	480	490	498	496	490	490	489	488	489	489	493	0	7	13	529	11	53	457	72
22	✓			490	491	492	497	500	506	511	518	520	518	512	511	498	499	513	511	503	491	489	488	488	489	490	489	501	0	7	00	521	18	38	487	34
23	✓	✓		489	491	491	496	498	503	507	501	497	490	490	495	498	500	502	510	506	499	492	490	490	490	490	489	496	0	6	31	509	10	20	489	20
24				489	489	491	495	499	506	514	510	502	492	488	485	489	490	492	503	498	492	489	489	489	490	490	491	494	0	6	32	517	11	58	482	35
25				491	492	493	498	502	509	512	506	498	497	496	497	501	508	511	513	508	501	497	492	485	488	488	487	499	0	14	54	517	20	21	482	35
26			✓	486	485	490	490	489	492	496	494	499	506	502	509	508	507	496	494	497	501	508	510	501	496	494	489	497	1	9	22	517	0	52	482	35
27			✓	476	477	472	471	483	476	496	512	531	529	529	531	519	515	497	498	503	501	500	506	501	500	495	489	500	1	8	38	547	3	21	467	80
28				491	492	481	476	480	477	497	518	533	543	552	546	539	521	503	490	489	490	492	492	495	495	491	487	503	1	10	12	556	5	13	471	85
29			✓	486	491	489	490	483	489	493	491	488	489	498	510	518	516	509	506	491	494	497	486	492	497	496	491	495	0	12	47	527	8	41	479	48
30				488	490	491	493	496	498	500	500	499	501	497	503	521	538	527	518	506	497	491	488	488	490	491	489	500	0	13	14	541	0	04	486	55
31				486	487	490	493	499	507	511	504	492	481	478	475	481	493	497	492	488	484	487	487	487	487	489	490	490	0	7	02	517	11	42	471	46
MEANS ALL DAYS				491	492	493	495	498	501	507	510	507	502	499	499	502	504	503	501	496	492	491	491	490	492	492	491	498								44
MEANS TEN DAYS *				493	493	495	497	499	502	504	507	506	501	498	500	501	502	504	504	498	492	489	489	489	490	492	491	497								29
MEANS FIVE DAYS † (G. M. T.)				493	493	495	497	499	501	504	505	506	499	496	499	501	500	499	499	494	490	490 489 489 488	490	490	491	492	492	496								
MEANS FIVE DAYS ‡ (G. M. T.)				481	486	487	486	488	493	502	509	513	514	506	506	506	504	498	497	496	497	500	496	493	491	491	488	497								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 217

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1941 — SEPTEMBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				487	486	489	495	496	499	508	509	513	515	506	506	507	499	500	496	487	486	488	486	485	486	489	489	496	0	9 04	522	1 43	481	41
2				489	493	490	492	496	499	501	502	505	500	498	514	520	526	528	505	492	489	486	487	486	487	487	489	498	0	14 28	529	18 41	484	45
3	✓			489	491	491	495	497	498	504	511	513	508	501	500	510	515	501	489	487	484	485	486	486	487	488	488	496	0	13 02	519	17 38	482	37
4	✓	✓		489	490	492	496	497	502	508	510	503	489	478	473	481	498	503	502	492	487	486	485	487	489	488	489	492	0	7 25	512	11 31	472	40
5	✓	✓		489	489	490	493	496	499	502	503	501	498	495	496	502	508	510	502	491	483	486	487	488	489	489	490	495	0	14 03	512	17 38	481	31
6	✓	✓		489	488	488	490	494	498	500	501	491	482	481	486	499	509	502	496	490	486	488	486	486	486	486	486	491	0	13 09	510	10 24	479	31
7				487	486	489	495	497	505	501	499	486	471	458	460	467	471	480	484	487	487	488	489	486	486	488	489	485	1	5 33	509	9 48	456	53
8	✓			490	489	489	491	497	505	514	513	504	488	477	479	486	492	501	503	493	487	486	489	487	484	486	483	492	0	7 11	518	10 34	472	46
9				488	487	487	489	491	500	509	509	501	494	483	476	476	486	497	498	498	490	490	489	490	488	488	482	491	0	6 34	510	11 53	472	38
10	✓			481	482	486	489	493	500	506	506	497	485	469	459	461	476	482	490	492	486	487	487	486	486	486	486	486	0	6 29	510	11 56	457	53
11	✓			489	488	489	490	494	499	500	498	483	480	478	484	492	500	508	507	492	487	487	486	483	486	483	483	490	0	15 08	511	10 31	473	38
12	✓	✓		486	485	486	488	492	492	496	499	501	500	494	488	496	506	502	498	491	481	482	484	485	485	486	486	491	0	13 31	508	17 31	480	28
13			✓	486	486	487	489	490	491	492	498	500	486	459	475	501	506	500	499	498	489	487	487	488	486	481	477	489	1	13 37	519	10 20	431	88
14				478	471	475	479	490	496	503	510	509	501	495	494	497	507	500	489	490	489	491	496	485	486	487	485	492	1	8 17	515	1 58	463	52
15			✓	479	480	485	489	489	485	487	494	505	509	510	514	531	545	537	516	497	485	486	488	487	488	490	487	498	1	13 05	550	0 21	477	73
16				481	485	486	487	488	491	499	506	507	506	499	495	503	515	514	502	485	478	481	482	484	485	489	490	493	0	13 43	520	17 35	475	45
17				490	489	489	493	493	496	500	501	501	509	505	508	516	516	500	493	491	487	486	486	486	485	485	480	495	0	12 52	523	23 56	469	54
18			✓	462	473	475	466	482	478	464	491	514	533	548	526	533	538	530	536	530	538	512	525	522	512	506	511	509	2	10 36	596	3 20	441	155
19			✓	508	536	523	561	560	557	578	578	584	569	546	524	516	511	512	511	519	507	497	497	499	499	499	499	529	2	7 52	593	0 00	482	111
20			✓	495	496	496	496	497	504	498	494	504	499	498	497	499	498	499	499	502	500	501	499	497	494	490	489	498	1	8 18	516	10 48	485	31
21				494	496	490	489	492	500	499	502	502	499	511	511	521	519	508	498	490	490	491	491	491	491	491	493	498	1	12 41	527	16 48	487	40
22	✓	✓		492	492	494	497	500	505	504	502	505	505	506	514	524	518	509	508	498	490	488	489	490	490	491	489	500	0	12 21	528	18 48	487	41
23				488	488	488	488	498	499	496	502	510	513	508	512	514	515	506	501	499	491	488	488	489	488	490	489	498	0	12 53	520	1 48	486	34
24				489	491	495	496	497	496	491	491	480	476	479	491	508	519	518	511	506	506	509	498	496	496	492	491	497	1	13 33	524	8 55	468	56
25				489	487	486	488	488	491	497	500	509	506	506	516	520	517	505	499	488	488	489	490	491	492	491	489	497	0	13 08	524	4 35	482	42
26	✓			489	488	487	489	492	491	482	478	471	473	483	502	509	518	521	516	497	487	482	484	486	486	482	485	491	0	13 58	525	8 49	470	55
27				487	481	486	493	498	499	496	495	495	489	479	487	488	490	495	498	498	490	488	489	489	488	489	490	491	0	5 30	501	10 36	477	24
28				489	490	491	496	497	499	498	489	478	467	468	488	503	499	494	490	481	479	484	485	487	488	486	484	488	0	13 08	507	10 12	462	45
29				480	485	489	496	501	501	498	490	480	469	472	486	495	496	499	499	490	480	480	485	479	480	488	488	488	0	4 42	507	8 58	466	41
30				488	489	489	490	493	496	488	479	468	465	473	481	496	497	496	495	489	485	486	488	487	485	486	489	487	0	12 45	502	9 13	462	40
31																																		
MEANS ALL DAYS				487	489	489	493	496	499	501	502	501	496	492	495	502	507	505	501	495	490	489	490	489	489	489	488	495						50
MEANS TEN DAYS *				488	488	489	492	495	499	502	502	497	491	486	488	496	504	504	501	492	486	486	486	486	487	486	486	492						40
MEANS FIVE DAYS † (G. M. T.)				489	489	490	493	496	499	502	503	500	495	491	491	500	508	505	501	492	485	487 486	487 486	487	488	488	489	494						
MEANS FIVE DAYS ‡ (G. M. T.)				486	494	493	500	504	503	504	511	521	519	512	507	516	520	516	512	509	504	497	498	495	493	493	492	504						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 218

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1941.

OCTOBER 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1				487	488	489	489	491	496	501	506	508	503	507	512	509	502	501	498	490	486	486	487	486	486	486	486	495	0	11	42	514	21	20	485	29
2				486	486	487	489	489	486	472	462	452	443	450	463	481	495	506	500	495	494	491	491	489	489	488	486	482	0	14	35	512	9	28	441	71
3	✓			484	484	485	487	489	494	493	488	481	480	491	505	505	506	504	496	485	481	485	487	485	486	486	486	490	0	13	52	510	9	31	478	32
4	✓	✓		486	483	485	485	487	488	479	474	465	457	455	467	477	487	489	490	490	488	484	485	487	487	487	486	481	0	16	08	491	10	03	450	41
5				486	485	487	488	492	496	496	498	503	506	516	527	527	512	490	486	487	487	486	486	487	488	486	485	495	0	11	58	529	23	50	483	46
6		✓		483	481	479	481	486	489	490	497	497	496	507	517	515	511	503	491	486	480	481	484	486	486	486	487	492	0	11	28	523	2	52	478	45
7	✓	✓		488	486	486	488	490	491	486	486	491	500	510	519	524	519	510	500	489	481	479	479	479	481	481	488	493	0	12	08	530	18	18	478	52
8				488	485	485	488	486	486	484	489	497	505	521	536	520	507	498	487	479	479	484	484	486	485	483	486	493	0	11	45	540	17	05	478	62
9				486	486	484	485	485	486	481	485	485	488	497	511	518	516	508	496	486	479	481	488	487	487	486	485	491	0	13	00	521	17	18	478	43
10				482	479	479	480	482	485	475	467	463	456	468	478	475	485	481	476	478	481	486	488	488	489	489	487	479	0	13	41	491	9	29	452	39
11			✓	482	471	473	476	471	469	475	480	483	487	505	521	506	499	486	469	467	482	490	494	491	491	492	490	485	1	11	38	529	5	30	461	68
12			✓	488	479	475	474	480	487	489	497	497	500	516	535	521	508	502	495	481	480	488	488	487	487	488	487	493	0	11	40	539	2	40	471	68
13				486	479	479	479	479	479	476	478	476	481	498	497	494	499	504	497	488	489	487	484	486	485	483	481	486	0	14	32	507	6	18	473	34
14				478	478	478	479	480	479	477	478	482	481	499	519	528	516	511	502	491	488	487	487	487	486	485	481	490	0	11	52	534	9	48	471	63
15				478	477	471	470	470	469	473	486	494	499	516	536	536	516	506	500	496	489	488	489	489	487	486	485	492	0	12	01	541	5	11	466	75
16			✓	482	481	480	480	482	486	485	489	487	493	509	529	517	494	491	488	478	476	481	486	486	486	485	482	489	1	11	40	532	16	52	472	60
17	✓	✓		479	477	477	477	479	480	477	481	487	488	498	510	505	501	502	490	480	483	486	487	483	481	482	481	486	0	11	38	513	6	40	476	37
18	✓			477	475	475	476	479	479	477	483	488	489	498	512	506	491	490	497	486	481	480	484	485	486	479	479	486	0	11	30	518	1	38	472	46
19				477	469	471	478	481	484	481	489	497	500	516	525	518	509	501	495	483	481	485	486	484	485	482	480	490	0	11	40	528	1	58	467	61
20				478	477	477	481	486	489	487	493	495	489	491	509	510	503	491	481	473	478	485	488	487	485	482	479	487	0	11	51	515	16	28	470	45
21	✓	✓		478	474	475	479	481	483	479	484	490	491	492	500	502	491	486	487	480	481	485	486	487	481	479	478	485	0	12	21	503	2	51	473	30
22			✓	473	471	471	477	481	487	489	498	490	481	486	495	507	491	499	499	486	498	497	496	490	489	486	485	488	2	14	58	523	13	00	468	55
23				478	478	479	479	483	488	486	487	488	495	509	525	536	534	540	521	506	497	491	485	487	487	485	482	497	1	14	11	547	1	38	476	71
24				480	479	478	478	479	479	474	476	487	496	513	527	526	518	510	498	485	487	490	494	490	488	485	479	492	0	12	20	531	6	31	470	61
25	✓			479	479	479	479	481	485	491	508	520	526	525	523	519	509	500	489	478	479	484	485	485	485	483	484	494	0	9	53	527	16	51	476	51
26				481	479	479	481	485	487	484	480	483	485	496	503	507	505	488	478	468	468	478	487	488	488	484	486	485	0	12	59	513	16	22	465	48
27	✓			484	480	479	479	482	479	478	487	495	499	506	511	511	509	503	489	480	481	483	483	484	484	482	479	489	0	11	41	516	5	51	477	39
28	✓			477	477	477	478	478	479	473	468	468	469	471	488	496	497	496	485	478	478	481	485	484	485	485	482	481	0	13	03	500	9	35	466	34
29	✓			479	479	477	476	479	478	476	478	482	486	500	510	515	505	497	486	472	476	479	482	482	481	479	476	485	0	12	22	518	16	38	470	48
30				473	472	473	471	471	467	457	458	466	473	481	500	502	500	506	498	487	482	486	486	486	485	480	478	481	0	14	18	508	6	37	456	52
31			✓	473	469	478	481	485	485	479	484	488	488	488	490	489	491	498	488	478	486	489	499	501	497	494	488	487	2	14	18	508	12	23	455	53
MEANS ALL DAYS				481	479	479	480	482	484	481	484	487	488	498	510	510	504	500	492	483	483	485	487	487	486	485	483	488								50
MEANS TEN DAYS ✲				481	479	480	480	482	484	481	484	487	488	495	504	506	502	498	491	482	481	483	484	484	484	482	482	487								41
MEANS FIVE DAYS † (G. M. T.)				483	480	480	482	485	486	482	484	486	486	492	503	505	502	498	492	485	483	484 483	486 484	486	486	485	484	488								
MEANS FIVE DAYS ‡ (G. M. T.)				480	474	475	478	480	483	483	490	489	490	501	514	508	497	495	488	478	484	489	489	488	487	485	484	488								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 219

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1941 — NOVEMBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	488	467	478	478	483	482	480	491	502	515	515	502	499	513	513	494	478	481	489	490	488	489	487	486	491	1	9	40	526	1 32	459	67
2	✓			481	478	478	479	478	475	467	467	469	480	495	502	504	508	508	497	483	483	489	490	488	488	487	488	486	0	14	03	516	6 51	466	50
3	✓			487	485	485	483	481	474	461	464	476	489	492	497	496	489	479	474	466	470	482	483	485	485	483	486	481	0	11	54	500	7 00	459	41
4	✓	✓		488	490	490	490	486	479	465	466	481	497	509	518	497	482	472	467	465	470	478	481	486	487	488	486	484	0	11	33	521	6 59	461	60
5				489	481	481	481	481	477	465	467	478	500	509	508	496	481	486	481	476	474	479	485	486	481	477	471	483	0	11	52	516	6 34	463	53
6			✓	468	460	460	467	477	479	468	471	480	505	511	518	519	514	506	502	499	491	489	498	491	489	487	485	489	1	13	08	529	2 21	457	72
7				478	473	471	469	469	464	459	465	476	487	495	502	508	498	496	488	483	487	493	502	495	486	481	478	483	0	11	52	511	6 07	457	54
8				475	469	468	469	476	470	459	475	490	497	496	501	510	516	507	493	486	486	482	489	486	485	479	479	485	0	13	51	519	6 18	458	61
9				478	476	470	470	470	466	460	469	486	495	507	508	509	508	499	483	469	472	479	481	481	482	478	478	482	0	12	15	513	6 22	458	55
10			✓	476	471	470	468	468	472	470	479	481	488	490	505	519	511	500	490	486	483	484	489	488	489	486	479	485	1	12	34	527	4 21	463	64
11				478	477	476	471	465	466	471	486	498	511	519	517	506	495	484	473	471	479	480	488	488	485	481	479	485	0	11	01	524	5 03	461	63
12				472	469	469	471	475	473	470	478	488	495	493	497	487	480	477	476	477	479	481	485	485	484	481	478	480	0	10	58	502	1 20	467	35
13				474	470	468	465	466	466	461	465	475	483	488	491	497	488	478	469	467	476	481	487	486	482	480	478	477	0	12	23	501	6 36	459	42
14	✓			474	470	468	467	469	468	470	478	490	499	505	508	508	499	495	489	479	477	482	485	485	482	481	479	484	0	12	02	510	3 20	466	44
15	✓	✓		477	476	473	470	470	469	458	478	489	495	498	488	477	461	456	459	465	470	482	482	482	480	478	473	475	0	10	32	500	14 32	452	48
16	✓	✓		470	468	468	469	470	467	461	468	479	485	481	480	486	487	486	478	468	469	479	488	485	478	470	469	475	0	12	53	491	6 08	460	31
17			✓	465	461	462	466	473	469	466	480	495	508	520	520	501	487	477	489	480	482	488	491	489	486	479	478	484	1	11	05	528	1 16	458	70
18				475	470	471	470	473	476	471	479	496	506	517	528	516	501	481	477	480	485	488	490	490	486	481	478	487	1	11	13	536	2 53	467	69
19				472	471	468	468	470	466	465	479	498	507	512	513	511	508	499	489	481	486	485	487	486	485	484	481	486	0	10	48	519	5 52	460	59
20				477	469	468	471	472	468	461	470	486	490	492	501	484	476	475	469	476	476	478	481	481	485	480	478	478	0	11	38	502	6 12	457	45
21				476	471	471	473	473	465	459	471	496	516	526	525	511	500	490	478	469	469	474	489	488	488	487	481	485	0	10	48	529	6 32	455	74
22				477	476	469	470	475	469	459	472	497	515	520	519	513	499	497	489	481	478	484	481	480	478	479	487	486	0	10	08	526	6 20	458	68
23				478	477	475	470	471	466	459	471	489	509	520	523	516	496	486	477	472	469	476	486	481	479	479	475	483	0	10	48	528	6 18	458	70
24	✓	✓		472	475	475	476	471	459	440	441	460	481	500	518	524	518	508	489	470	466	475	483	483	484	481	478	480	0	12	51	526	6 44	438	88
25	✓			472	468	465	469	470	467	451	445	451	460	479	496	499	498	486	476	470	467	475	479	482	481	479	477	473	0	12	53	505	7 13	443	62
26	✓	✓		471	470	469	469	469	462	457	470	486	503	516	519	515	500	489	478	468	466	471	479	479	479	479	475	481	0	11	28	521	6 12	451	70
27				468	457	461	463	466	459	450	456	459	472	482	490	477	461	459	454	457	460	467	479	488	489	490	484	469	0	11	52	497	6 38	449	48
28			✓	470	448	452	462	476	479	476	492	510	523	520	508	496	490	475	478	473	472	481	490	492	492	489	488	485	2	9	44	529	1 40	442	87
29				487	486	480	474	480	478	478	497	509	512	512	507	490	472	461	459	459	469	479	486	481	481	481	480	483	0	8	50	518	16 28	458	60
30	✓			477	476	475	477	476	466	457	475	490	495	500	505	496	489	481	470	468	469	478	483	481	485	480	479	480	0	11	01	506	6 09	454	52
31																																			
MEANS ALL DAYS				476	472	471	472	473	470	463	472	485	497	504	507	502	494	487	480	474	475	481	486	486	484	482	480	482							59
MEANS TEN DAYS *				477	476	475	475	474	469	459	465	477	488	498	503	500	493	486	478	470	471	479	483	484	483	481	479	480							55
MEANS FIVE DAYS † (G. M. T.)				476	476	475	475	473	467	456	465	479	492	501	505	500	490	482	474	467	468	479 477	483 483	483	481	480	478	479							
MEANS FIVE DAYS ‡ (G. M. T.)				473	461	464	468	475	476	472	483	494	508	511	511	507	503	494	491	483	482	486	486	488	485	482	478	486							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 220

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1941 — DECEMBER 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	478	476	467	459	450	438	439	457	468	488	496	515	506	517	516	507	506	499	505	498	495	496	491	485	486	2	11	35 530	6	00 410	120
2			✓	486	482	486	482	487	481	485	499	496	492	494	500	505	495	479	477	476	471	475	479	479	477	474	474	485	1	12	48 508	17	18 470	38
3				475	475	474	473	473	468	460	468	486	496	501	508	506	490	484	483	478	474	478	488	486	489	483	475	482	0	11	45 516	6	15 459	57
4				471	469	469	462	460	455	449	461	482	485	480	495	493	498	481	469	457	460	472	483	484	486	487	486	475	1	13	21 505	6	14 446	59
5				484	480	480	479	480	468	454	463	479	498	526	536	528	519	494	484	473	468	469	486	486	485	480	477	486	1	11	08 548	6	18 451	97
6				476	475	471	475	476	467	456	474	488	498	509	518	520	515	498	489	479	474	476	481	480	479	478	476	484	0	12	16 521	6	12 451	70
7				470	465	462	463	465	461	455	467	489	500	514	518	508	497	488	477	474	475	476	482	483	481	479	476	480	0	11	20 521	6	11 451	70
8	✓			470	468	466	461	466	460	449	458	478	484	499	502	509	501	498	493	482	476	475	481	480	478	476	470	478	0	12	54 524	6	25 447	77
9				468	465	458	465	470	468	458	467	480	502	516	537	538	525	506	487	479	478	477	473	478	478	476	470	484	0	11	45 541	6	48 455	86
10				468	466	467	468	468	468	455	457	474	482	498	510	523	521	513	500	487	479	478	476	475	472	469	467	481	0	12	53 528	7	03 450	78
11	✓	✓		466	466	464	465	467	465	454	453	462	471	483	498	503	499	493	486	480	478	477	477	476	472	471	469	475	0	12	22 506	7	15 449	57
12	✓	✓		466	462	462	466	468	462	459	468	481	489	496	502	499	493	490	486	477	470	475	479	478	478	477	471	477	0	11	52 504	6	08 458	46
13				469	464	460	457	458	456	450	465	478	488	505	527	528	511	495	481	472	467	476	485	481	477	468	466	478	0	12	28 535	6	34 447	88
14			✓	466	461	458	464	457	455	455	466	487	496	517	524	519	521	511	496	486	472	477	481	481	477	472	470	482	0	11	33 533	5	02 446	87
15				466	466	466	468	468	458	438	443	461	477	492	506	508	489	486	481	479	476	478	481	478	478	478	469	475	0	12	01 512	6	37 436	76
16			✓	469	466	467	468	471	468	458	457	465	472	486	499	505	499	491	481	468	465	471	478	479	479	477	477	476	0	12	26 510	6	59 455	55
17				471	469	466	465	467	467	456	459	470	487	500	511	507	491	486	472	469	468	477	481	480	478	482	478	477	0	11	16 515	6	51 455	60
18				467	459	457	463	458	456	448	471	488	498	504	508	501	481	477	478	481	478	479	481	481	481	479	476	477	1	10	36 520	6	17 438	82
19				471	469	465	466	469	467	459	469	479	489	496	494	489	481	475	467	461	465	471	477	477	475	477	476	474	0	10	51 499	6	06 457	42
20	✓	✓		476	470	467	468	468	466	464	470	477	477	481	498	509	511	497	486	477	471	476	479	480	479	477	474	479	0	13	18 515	6	18 459	56
21	✓	✓		470	469	467	467	468	465	451	460	472	473	478	487	498	495	482	476	473	471	472	479	478	476	471	469	474	0	12	34 501	6	28 450	51
22	✓			466	466	462	464	464	456	445	448	461	478	495	514	519	510	502	496	482	472	476	478	479	477	471	466	477	0	12	38 521	6	28 442	79
23				466	460	459	461	462	460	452	458	466	475	491	506	507	507	498	486	468	467	473	476	476	473	470	466	474	0	11	48 517	6	51 450	67
24				461	460	459	460	460	461	449	447	451	466	479	496	501	501	508	497	481	476	473	476	476	475	471	469	473	0	14	36 510	6	58 445	65
25	✓	✓		468	466	465	462	464	462	450	450	458	469	478	485	485	477	474	460	456	459	467	476	477	476	477	477	468	0	12	50 488	6	52 449	39
26	✓			471	469	469	468	468	462	453	458	469	473	495	498	498	478	470	461	458	465	470	477	478	478	475	469	472	0	10	45 504	6	38 451	53
27			✓	465	467	466	470	470	468	454	451	461	478	491	505	500	495	491	479	462	463	469	470	478	479	478	478	474	0	11	17 506	7	12 447	59
28				475	472	468	468	473	471	461	462	469	468	475	486	479	463	457	456	460	467	470	476	479	480	478	477	470	0	11	22 487	15	47 454	33
29				474	472	469	466	468	468	460	462	470	471	482	483	486	472	469	466	459	461	470	476	478	476	476	471	471	0	11	12 494	16	30 458	36
30	✓			469	470	468	468	466	465	453	455	459	470	486	500	499	489	490	481	466	468	476	478	480	480	471	469	474	0	11	22 504	7	08 451	53
31	✓			470	467	467	465	467	465	451	457	458	463	478	489	472	475	474	471	470	471	471	477	476	474	472	471	470	0	11	44 491	6	48 450	41
MEANS ALL DAYS				471	468	466	466	467	463	454	461	473	482	494	505	505	497	489	481	473	471	475	480	480	479	476	473	477						64
MEANS TEN DAYS ✱				469	467	466	465	467	463	453	458	468	475	487	497	499	493	487	480	472	470	474	478	478	477	474	470	474						55
MEANS FIVE DAYS (G. M. T.) †				469	467	465	466	467	464	456	460	470	476	483	494	499	495	487	479	473	470	475 473	477 478	477	475	473	471	474						
MEANS FIVE DAYS (G. M. T.) ‡				473	470	469	469	467	462	458	466	475	485	497	509	507	505	498	488	480	474	479	485	483	483	478	474	481						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 221

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1941

JANUARY 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				485	480	479	484	480	485	494	506	548	582	605	592	551	557	540	486	466	470	470	468	466	473	480	482	505	1	10	56 635	17	00 461	174
2	✓			485	485	482	486	483	485	495	510	538	572	599	599	607	583	544	504	475	474	489	491	493	493	492	490	515	0	10	36 620	16	33 469	151
3	✓			492	492	493	494	495	502	514	539	569	611	641	655	649	620	584	548	521	499	489	486	479	481	485	481	534	0	10	56 665	20	11 473	192
4				483	486	487	488	486	493	493	496	535	585	614	610	601	576	542	506	485	481	494	498	496	496	494	493	517	0	10	25 618	0	36 476	142
5	✓	✓		493	494	497	498	506	513	510	508	539	590	613	629	606	583	543	528	523	526	530	518	505	480	433	419	524	0	10	48 668	23	36 410	258
6				432	456	469	491	485	492	503	513	556	585	606	616	576	545	518	471	465	467	480	483	481	477	477	483	505	1	11	30 649	0	06 399	250
7				484	484	484	490	495	495	503	529	566	600	636	612	590	512	471	464	462	469	464	468	473	473	474	474	507	0	10	22 653	16	13 458	195
8				474	476	474	475	482	490	508	538	561	587	619	631	621	583	536	498	480	480	478	477	479	477	479	480	516	0	11	20 638	0	04 470	168
9				483	481	490	491	490	491	510	530	530	527	497	539	565	563	528	501	470	466	484	482	482	479	485	488	502	1	12	52 590	16	54 458	132
10				487	487	486	489	493	498	513	535	544	564	550	535	522	508	516	497	489	492	485	483	475	475	479	484	504	0	8	56 584	20	50 472	112
11				480	481	484	485	485	493	524	557	570	571	550	525	523	516	476	480	480	487	488	485	479	477	480	486	503	0	9	02 605	14	06 466	139
12	✓			483	486	486	489	489	489	504	529	560	573	543	499	462	478	503	513	509	499	483	484	482	487	485	484	500	0	9	23 593	12	35 446	147
13	✓			484	486	489	492	494	502	531	566	606	617	592	530	480	448	485	524	525	523	504	498	496	493	495	497	515	0	9	34 625	12	51 435	190
14	✓	✓		500	498	500	500	505	507	519	541	570	589	571	537	507	478	450	480	504	498	489	487	485	485	485	485	507	0	9	02 594	14	18 443	151
15	✓	✓		485	495	503	510	513	513	530	558	607	647	612	561	507	468	460	478	509	526	523	513	505	508	508	505	523	0	9	46 655	13	42 451	204
16				504	500	501	500	500	503	526	563	605	623	541	515	518	497	496	501	513	516	518	504	448	453	479	481	513	0	9	52 652	20	43 434	218
17			✓	479	481	490	491	489	495	516	558	599	601	639	659	482	440	436	423	424	417	444	463	453	448	479	471	495	1	11	27 731	13	09 376	355
18			✓	468	467	470	472	471	467	489	510	554	588	621	625	580	564	476	483	491	479	465	471	470	469	466	477	504	1	10	13 649	18	41 452	197
19				476	470	472	469	478	475	471	495	550	602	639	628	590	554	526	510	480	473	481	475	471	484	480	474	509	0	10	49 661	17	08 467	194
20				472	474	481	486	488	490	485	500	533	573	618	638	629	604	588	547	510	505	498	498	502	492	478	501	525	0	11	56 646	0	06 469	177
21	✓	✓		507	504	505	505	501	493	489	499	534	572	608	626	619	593	564	539	523	506	497	496	495	497	497	493	528	0	12	03 637	7	07 485	152
22	✓			492	496	507	513	511	518	519	534	565	611	638	658	647	611	547	512	504	500	495	488	495	495	487	489	535	0	11	22 690	0	57 486	204
23			✓	492	490	489	497	507	499	483	472	472	510	526	519	516	503	520	531	501	472	456	468	471	468	473	473	492	1	11	18 553	8	26 444	109
24			✓	476	467	467	475	475	489	494	473	460	487	537	549	521	509	506	503	491	474	462	462	468	463	458	470	485	1	11	24 590	9	36 432	158
25			✓	461	465	467	473	471	469	483	481	482	522	574	545	530	532	518	504	500	485	458	458	449	464	464	464	488	1	10	02 593	18	55 436	157
26				462	479	472	474	473	470	494	510	544	564	599	567	586	560	541	505	490	489	481	483	481	477	479	479	507	0	10	30 629	0	34 459	170
27				479	479	494	494	489	486	501	514	548	591	595	581	560	544	512	510	504	484	477	473	480	488	486	485	511	1	10	46 659	19	15 470	189
28				486	485	484	486	486	495	500	517	545	588	619	625	591	550	484	464	468	484	485	485	489	485	483	482	511	0	11	24 653	16	02 451	202
29				480	479	483	484	488	487	496	514	550	589	614	636	609	573	537	510	512	507	493	480	487	490	484	485	519	0	11	32 653	19	29 476	177
30				484	484	482	486	490	492	496	512	562	601	633	630	590	568	522	512	502	491	486	485	483	480	479	479	518	0	10	58 657	22	14 478	179
31	✓	✓		480	482	485	489	484	484	488	505	542	582	609	624	632	617	584	542	511	499	495	494	490	494	492	492	525	0	13	18 646	0	22 477	169
MEANS ALL DAYS				482	483	486	489	490	492	503	520	550	581	595	590	567	543	518	502	493	488	485	484	481	481	480	482	511						181
MEANS TEN DAYS *				490	492	495	498	498	501	510	529	563	596	603	592	572	548	526	517	510	505	499	496	492	491	486	484	520						182
MEANS FIVE DAYS † (G. M. T.)				493	495	498	500	502	502	507	522	558	596	603	595	574	548	520	513	514	511	494 507	493 502	492	489	486	491	521						
MEANS FIVE DAYS ‡ (G. M. T.)				475	474	477	482	483	484	493	499	513	542	579	579	526	510	491	489	481	465	457	477	467	465	475	477	494						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 222

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1941 — FEBRUARY 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		493	496	497	498	500	500	506	520	534	590	663	681	674	670	609	557	502	482	481	485	487	487	484	484	537	0	12	08 691	17	49 475	216
2	✓			485	486	490	485	489	484	462	441	477	545	609	656	687	681	624	534	500	486	480	477	479	460	438	421	516	0	12	10 694	23	30 416	278
3				442	455	458	460	461	460	448	459	483	501	546	591	625	601	557	513	494	471	470	457	444	439	448	458	489	1	12	30 644	0	00 429	215
4	✓			462	462	466	469	472	472	462	461	460	486	498	526	537	544	565	553	530	500	483	476	471	468	481	473	491	1	14	35 579	8	45 430	149
5				469	478	481	481	483	485	484	481	494	498	509	537	571	550	534	510	489	472	452	440	452	440	456	460	488	1	12	52 617	21	38 427	190
6				464	477	470	467	475	482	494	485	508	528	548	510	527	550	538	529	523	489	468	453	438	444	460	455	491	1	10	13 568	20	39 431	137
7			✓	459	472	477	471	473	475	483	494	510	501	518	531	512	506	504	502	510	490	468	472	479	475	481	489	490	1	11	39 553	0	03 443	110
8				481	482	479	484	481	494	497	525	547	563	568	556	536	521	504	497	498	491	479	469	470	470	486	484	503	0	10	41 583	20	54 464	119
9				472	480	478	481	483	485	498	514	540	558	551	549	522	511	490	464	466	471	479	472	479	476	473	472	494	0	11	42 579	15	10 446	133
10	✓			475	493	485	485	483	485	499	523	558	573	585	554	542	529	508	489	488	488	477	473	476	472	476	475	504	0	10	22 598	19	09 469	129
11	✓	✓		474	479	479	484	482	484	500	540	578	617	607	585	538	488	436	427	456	473	473	467	463	469	474	477	498	0	10	13 627	15	36 422	205
12	✓	✓		483	484	486	488	491	501	513	545	585	620	610	610	590	540	517	495	497	495	495	489	493	500	497	500	522	0	9	42 634	0	00 481	153
13			✓	515	521	494	483	492	496	500	507	540	558	606	590	554	523	474	459	433	442	464	469	468	468	462	464	499	1	10	32 659	16	43 424	235
14				475	484	485	480	482	474	487	503	554	600	640	651	619	552	509	486	488	487	485	483	475	454	481	490	514	0	11	13 679	21	19 448	231
15				484	⊠							⊠	590	588	577	543	505	455	462	476	491	491	485	480	478	477	475	⊠	1	10	22 639	14	48 432	207
16				478	480	483	485	486	485	481	498	550	610	649	663	646	610	556	512	489	472	479	482	483	485	475	476	521	0	11	15 678	17	18 462	216
17				476	483	486	480	481	466	462	453	478	541	582	615	625	583	536	500	494	491	485	483	477	476	473	478	504	1	12	34 654	7	28 443	211
18	✓	✓		481	482	480	479	486	486	486	505	530	566	586	610	605	575	554	534	512	501	493	493	491	490	491	488	517	0	11	39 624	3	53 476	148
19	✓			484	484	486	484	489	491	485	496	518	546	566	578	535	511	526	537	535	515	495	496	490	491	493	490	509	0	11	42 587	3	39 482	105
20				484	481	477	484	494	496	487	473	482	497	535	543	564	569	569	528	486	462	460	468	468	464	453	464	495	0	14	32 598	21	59 448	150
21			✓	471	475	476	480	479	481	485	492	514	523	517	528	496	508	537	497	443	441	446	457	457	452	472	461	483	1	11	56 570	17	25 428	142
22			✓	457	470	474	475	471	472	470	467	503	546	579	558	516	546	487	489	478	458	455	460	459	475	466	473	488	1	11	02 641	18	47 441	200
23			✓	474	467	489	482	477	479	487	489	527	539	593	595	614	530	519	514	479	453	463	462	460	461	462	456	499	1	11	58 643	17	13 439	204
24				454	466	472	471	474	471	464	473	518	561	608	578	585	565	523	509	495	485	479	476	481	468	471	473	501	0	10	41 625	0	15 452	173
25				470	471	479	480	481	479	480	489	519	565	562	612	579	544	516	482	479	476	476	476	472	477	473	458	500	0	11	43 648	23	22 455	193
26				458	470	470	472	471	473	471	470	513	572	617	619	620	582	583	525	500	489	489	485	482	479	477	473	511	0	10	35 638	0	25 452	186
27	✓	✓		473	474	476	477	480	483	476	488	532	578	635	730	656	611	588	547	513	501	492	488	479	475	484	482	526	0	11	21 754	1	45 472	282
28	✓			482	482	489	491	497	494	486	498	531	576	625	637	651	627	588	548	521	503	493	483	464	470	470	535	527	0	10	27 680	20	33 459	221
29																																		
30																																		
31																																		
MEANS 27 DAYS				474	479	480	480	482	483	483	492	522	554	582	592	582	560	535	509	493	481	476	474	472	470	472	474	504						184
MEANS TEN DAYS ✱				479	482	483	484	487	488	488	502	530	570	598	617	602	578	552	522	505	494	486	483	479	478	479	482	515						189
MEANS FIVE DAYS † (G. M. T.)				481	483	484	485	488	491	496	520	552	594	620	643	613	577	541	512	496	490	484 487	480 484	478	478	478	479	519						
MEANS FIVE DAYS ‡ (G. M. T.)				475	481	482	478	478	481	485	490	519	533	563	560	538	523	504	492	469	457	459	465	463	467	470	471	492						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

a) Twenty-seven days only, omitting incomplete day February 15.

TABLE 223

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1941 — MARCH 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	534	436	343	339	248	349	341	402	513	216	48	146	282	210	110	152	129	106	137	242	281	293	304	312	252	2	8	18	852	13 23	291	1143
2				308	325	327	329	346	344	344	346	389	445	493	518	509	464	405	401	379	381	366	385	377	383	385	405	390	1	11	42	541	0 10	294	247
3				401	403	405	405	405	401	387	381	426	494	510	583	590	504	465	457	441	431	419	403	394	394	406	414	438	1	12	18	640	7 33	369	271
4				413	398	411	417	414	417	412	417	455	523	485	523	533	515	492	475	411	390	379	404	408	407	403	412	438	1	12	16	564	18 13	376	188
5				406	417	418	419	421	422	409	385	389	428	456	523	539	530	479	442	404	400	399	411	417	416	418	413	432	0	12	21	553	8 11	369	184
6				427	422	437	433	431	429	435	452	485	524	565	561	565	517	504	486	470	448	438	429	434	445	447	439	468	0	12	16	584	0 01	417	167
7				437	436	439	446	442	441	433	434	471	511	542	547	551	549	507	515	477	450	435	441	426	441	444	447	469	0	13	36	606	20 02	417	189
8	✓			444	439	442	452	459	462	461	460	484	529	557	560	552	533	488	470	461	458	447	431	457	438	436	437	473	0	11	20	579	19 39	428	151
9				439	452	449	451	452	454	457	475	507	534	563	591	598	573	541	510	483	451	430	430	432	424	424	423	481	0	12	41	606	21 44	419	187
10	✓	✓		447	447	446	450	456	461	471	493	523	545	559	571	559	537	530	507	491	477	464	450	442	442	444	445	486	0	11	53	576	0 00	430	146
11				449	452	451	455	463	468	478	502	551	583	605	612	600	557	528	480	454	405	427	444	450	449	451	451	490	0	10	56	626	17 30	388	238
12	✓			454	459	459	463	468	469	476	497	523	531	547	592	579	550	523	495	484	463	450	450	457	447	445	441	488	0	11	20	615	23 21	435	180
13				454	460	465	468	472	472	482	504	534	560	580	587	588	556	497	477	454	438	428	403	405	372	386	402	477	0	12	53	627	21 26	362	265
14			✓	404	397	438	431	431	447	432	412	420	491	523	562	533	496	458	413	412	419	426	424	431	431	433	428	446	1	11	40	597	7 30	374	223
15				434	438	445	447	448	452	441	474	518	568	600	615	607	523	484	448	435	444	443	433	430	443	442	444	477	0	12	23	640	0 00	422	218
16	✓	✓		444	443	444	444	448	447	453	478	523	585	629	652	656	614	556	500	467	460	459	454	453	451	449	447	498	0	12	25	669	1 02	441	228
17	✓	✓		446	450	453	454	456	456	445	464	512	565	615	635	623	571	518	469	457	461	466	463	463	465	462	455	493	0	11	57	647	6 36	441	206
18	✓			450	453	460	459	461	465	464	477	509	552	597	624	644	640	603	557	512	465	469	468	468	465	466	473	508	0	12	44	658	1 23	445	213
19				478	469	462	463	468	477	447	417	414	415	457	553	586	592	574	519	465	454	453	440	459	441	447	450	475	1	11	56	626	9 45	364	262
20				447	447	458	455	451	452	446	449	467	511	556	554	563	556	531	509	477	465	442	458	450	457	468	456	480	1	13	20	597	7 22	429	168
21				443	449	466	460	453	451	455	484	512	546	592	581	571	564	515	446	450	445	457	456	452	464	454	442	484	1	10	58	663	15 19	434	229
22				439	443	456	455	450	457	454	466	518	548	593	595	556	523	472	458	459	460	454	457	456	451	442	439	479	1	10	41	626	0 17	435	191
23				448	453	456	449	447	450	456	483	510	546	576	571	567	495	506	487	467	447	444	450	450	443	450	442	479	0	12	04	626	18 01	437	189
24	✓			444	450	456	460	458	458	468	492	521	555	573	575	575	555	530	501	472	467	462	459	458	457	460	461	490	0	12	34	603	0 03	441	162
25	✓			453	458	459	458	459	467	463	473	513	551	570	585	571	546	516	500	487	476	471	466	462	458	450	445	490	0	11	54	606	23 40	443	163
26	✓	✓		447	462	459	462	464	462	466	488	533	573	609	621	606	569	538	507	488	477	471	469	466	462	461	461	501	0	11	27	627	0 00	444	183
27	✓	✓		464	464	465	468	468	468	472	497	534	574	608	617	605	574	542	523	494	494	496	480	427	414	439	461	502	0	11	31	627	21 06	408	219
28			✓	454	466	464	463	458	468	439	466	506	545	519	522	511	467	461	435	410	407	410	413	399	419	414	423	456	1	12	06	612	17 31	395	217
29				429	442	442	439	440	440	444	456	493	514	554	537	556	497	458	443	428	389	417	427	419	409	430	419	455	1	12	11	581	17 36	370	211
30			✓	442	436	440	454	447	437	423	434	465	496	550	588	565	493	399	328	280	292	285	356	341	355	402	379	420	1	11	41	706	16 42	261	445
31			✓	422	426	428	428	448	444	409	394	435	484	526	558	570	538	487	424	422	423	418	416	417	418	428	424	449	1	12	22	649	7 20	373	276
MEANS ALL DAYS				439	438	440	441	440	445	441	453	489	517	541	563	565	516	491	462	439	427	425	429	428	428	432	432	463							244
MEANS TEN DAYS *				449	452	454	457	460	462	464	482	518	556	586	603	597	569	534	503	481	470	466	459	455	450	451	453	493							185
MEANS FIVE DAYS † (G. M. T.)				450	453	453	456	458	459	461	484	525	568	604	619	610	573	537	501	479	474	455 471	450 463	449	448	445	444	495							
MEANS FIVE DAYS ‡ (G. M. T.)				451	432	423	423	406	429	409	422	468	446	433	475	492	357	383	350	331	329	335	430	411	404	425	439	413							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 224

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1941 — APRIL 1941

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			423	426	427	430	431	431	431	452	490	535	570	583	572	538	495	461	445	443	436	438	437	425	425	425	465	0	11	13	594	0	30	421	173
2				430	431	443	450	448	447	437	443	475	510	544	558	569	548	523	484	446	436	430	436	440	433	447	427	468	0	12	15	574	21	39	425	149
3				434	441	444	446	450	450	447	460	492	530	550	527	522	515	489	469	461	445	439	444	441	448	443	443	468	0	10	53	570	0	20	427	143
4	✓			448	449	442	445	451	453	455	467	501	550	587	599	585	545	505	480	467	459	454	456	460	459	457	454	484	0	11	52	603	2	19	440	163
5	✓			450	450	452	453	458	459	465	485	522	559	585	582	569	547	520	498	475	453	448	446	445	434	429	436	484	0	10	46	613	22	14	425	188
6				459	452	449	451	453	457	457	467	485	516	551	558	571	563	541	509	482	463	470	472	468	467	466	464	487	0	12	47	587	2	34	447	140
7			✓	463	464	474	482	484	486	488	480	503	540	544	587	577	578	548	509	455	428	414	454	455	452	450	453	490	1	11	49	626	18	40	403	223
8				450	458	461	462	457	464	463	466	489	508	538	540	528	526	523	515	507	477	452	449	457	461	452	463	482	1	10	59	555	18	46	441	114
9				457	449	453	460	469	466	475	506	536	533	534	535	527	508	496	494	485	471	462	459	459	459	460	463	484	1	11	17	565	1	38	444	121
10			✓	466	465	467	460	457	464	472	502	539	575	605	562	540	482	466	477	477	427	440	451	453	459	448	456	484	1	10	15	632	17	28	413	219
11				461	456	475	465	462	467	476	502	527	562	564	546	518	470	463	459	468	467	459	463	459	472	468	449	482	1	10	01	594	24	00	439	155
12				460	461	455	459	461	464	471	493	528	565	594	594	554	508	481	474	482	477	465	460	466	467	462	463	490	0	10	50	606	0	04	437	169
13	✓			457	459	461	464	463	464	473	497	532	574	590	596	584	544	497	474	465	464	465	466	465	465	461	459	493	0	11	38	599	1	12	455	144
14	✓	✓		465	465	464	463	460	460	462	487	535	576	604	603	562	518	494	482	480	477	471	467	467	467	469	472	495	0	10	50	608	1	04	457	151
15	✓			471	473	478	481	487	483	477	490	529	574	630	638	608	567	533	509	502	482	478	475	442	460	468	468	508	0	10	35	656	20	27	432	224
16				464	467	471	479	475	456	452	456	496	532	587	605	585	555	516	489	473	469	471	468	467	464	460	463	492	0	11	33	617	7	32	431	186
17				466	469	466	468	469	464	453	463	507	555	589	613	595	542	518	494	479	469	470	451	451	445	459	457	492	0	11	50	639	19	52	436	203
18				456	456	458	463	465	464	466	469	470	503	540	543	540	533	524	501	471	423	453	451	448	447	443	440	476	1	10	49	557	17	25	409	148
19			✓	462	433	430	462	441	441	448	453	483	479	521	490	501	455	473	475	467	466	462	451	458	457	444	452	463	1	10	12	539	2	02	425	114
20				452	452	455	465	460	463	469	489	520	528	551	548	547	534	502	482	467	452	434	446	453	454	458	454	481	0	10	52	580	18	21	430	150
21				454	453	454	456	458	464	477	497	510	544	565	571	560	528	497	490	492	481	471	466	465	460	455	455	488	0	11	15	583	24	00	449	134
22	✓	✓		465	471	460	463	467	471	486	506	534	569	579	583	555	525	511	505	494	477	471	469	469	468	466	466	497	0	11	31	592	0	03	449	143
23	✓	✓		469	469	470	471	471	472	472	479	504	542	578	589	573	545	515	500	492	483	475	475	477	477	471	475	498	0	11	29	593	22	54	467	126
24			✓	479	477	495	480	495	451	427	463	517	499	498	504	496	471	426	390	376	372	365	375	420	378	484	420	448	1	8	50	569	15	50	351	218
25			✓	430	438	433	437	440	442	444	449	464	492	540	554	539	506	492	454	444	441	430	435	446	446	431	451	462	1	11	52	586	0	02	420	166
26				446	434	442	443	452	451	454	460	480	502	521	523	510	487	476	469	457	434	424	428	438	443	442	444	461	0	10	52	548	18	46	420	128
27	✓	✓		444	444	447	448	447	451	459	471	494	524	550	567	549	513	478	458	452	446	447	449	452	452	444	431	472	0	11	09	571	24	00	422	149
28				428	443	444	449	451	457	446	426	467	505	557	578	560	512	485	426	396	384	406	397	387	400	402	422	451	1	10	49	604	17	04	375	229
29				427	431	443	443	438	437	438	444	466	501	537	558	557	535	502	473	454	446	442	436	438	433	428	427	464	0	11	59	562	0	00	421	141
30	✓	✓		432	440	446	446	448	454	462	475	504	536	567	581	561	520	476	455	454	459	458	457	457	457	457	457	477	0	11	38	586	0	00	428	158
31																																		
MEANS ALL DAYS				452	453	455	458	459	458	460	473	503	534	562	567	554	524	499	478	466	452	449	450	451	450	452	450	480								162
MEANS TEN DAYS #				452	455	455	456	458	460	464	481	514	554	584	592	572	536	502	482	473	464	460	460	457	456	455	454	487								162
MEANS FIVE DAYS † (G. M. T.)				455	458	457	458	459	462	468	484	514	549	576	585	560	524	495	480	474	468	455 464	453 463	455	454	450	450	486								
MEANS FIVE DAYS ‡ (G. M. T.)				460	455	460	464	463	457	456	469	501	517	542	539	531	498	481	461	444	427	422	446	454	446	465	452	471								

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 225

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1941 — MAY 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				456	456	455	456	457	458	463	466	478	518	550	587	569	529	471	440	426	436	445	447	443	433	425	421	470	0	11 56	604	16 12	419	185
2	✓	✓		426	435	446	450	453	456	457	458	480	499	529	546	537	530	508	474	455	448	445	453	453	448	443	445	470	0	11 59	558	0 09	419	139
3	✓	✓		441	453	456	460	464	466	469	470	478	503	536	549	547	533	500	483	475	472	465	462	457	454	483	481	482	0	11 14	554	0 09	436	118
4				451	461	441	448	469	466	464	487	502	521	535	551	519	501	493	480	468	466	460	450	458	456	456	453	477	1	11 02	561	0 49	435	126
5	✓	✓		455	463	466	467	480	480	478	484	512	530	566	568	557	541	522	505	489	482	477	469	469	472	472	471	495	0	12 04	577	0 36	453	124
6				478	482	484	478	479	476	459	446	446	484	512	537	543	525	495	486	484	479	473	470	462	453	439	440	480	0	12 15	545	8 09	429	116
7	✓			451	446	457	462	468	470	472	484	503	531	550	559	553	532	505	484	477	476	474	474	474	474	472	471	488	0	12 23	565	1 04	444	121
8				470	472	476	479	483	480	481	499	538	567	603	616	591	548	504	456	446	457	465	470	465	452	446	450	496	0	11 17	633	16 35	441	192
9				455	460	449	450	454	460	476	492	515	542	557	573	556	542	518	490	484	476	466	462	459	444	448	463	487	0	11 18	580	22 20	440	140
10				472	470	470	473	472	473	482	493	520	549	577	578	566	534	525	509	496	481	468	459	461	466	466	467	497	0	11 08	603	19 53	454	149
11	✓			468	474	473	470	465	462	471	493	534	580	603	598	575	536	504	489	476	474	471	471	474	470	468	480	499	0	10 24	607	5 16	459	148
12				473	474	479	486	489	495	500	512	552	588	625	631	609	583	545	510	481	469	461	450	443	453	453	471	510	0	10 58	637	19 47	437	200
13				471	464	468	473	482	485	473	482	503	544	570	587	592	539	515	490	474	470	470	469	469	469	470	471	496	0	12 22	613	1 34	457	156
14	✓			470	470	473	473	475	472	465	469	498	532	571	584	590	561	516	488	478	480	468	448	457	463	470	474	494	0	12 00	616	19 08	445	171
15	✓			472	474	476	478	478	478	482	499	525	558	585	591	590	566	522	497	486	482	469	443	443	457	460	466	499	0	11 31	597	19 49	430	167
16				464	462	479	472	472	465	462	454	510	535	533	542	551	521	490	469	470	472	470	469	469	469	465	468	485	0	10 53	588	6 26	455	133
17			✓	467	438	450	446	440	434	431	437	441	459	501	527	528	516	495	467	452	442	444	441	440	449	449	457	460	1	11 44	539	1 27	417	122
18				446	447	452	454	459	464	465	460	473	501	526	548	557	560	519	475	454	450	454	451	449	458	457	452	476	0	12 56	577	17 11	443	134
19	✓	✓		451	452	455	457	458	462	470	470	476	497	521	540	546	544	516	491	473	465	462	460	459	457	456	456	479	0	13 29	552	0 14	449	103
20	✓	✓		457	460	462	463	466	474	487	508	519	530	542	548	542	519	501	486	479	478	468	457	463	466	471	476	488	0	11 20	557	19 39	454	103
21			✓	465	460	460	458	464	467	470	479	510	549	583	621	617	576	545	502	457	416	402	410	446	402	414	403	482	1	12 33	649	21 42	387	262
22			✓	413	427	437	438	445	459	458	459	472	467	530	524	538	532	499	454	444	451	451	447	454	448	435	444	464	1	10 30	558	0 02	407	151
23			✓	443	458	459	456	470	469	473	479	482	529	524	533	537	517	493	456	434	424	427	426	411	410	420	436	465	1	10 27	553	20 47	402	151
24			✓	440	430	438	449	441	446	449	461	458	486	501	508	522	505	482	460	434	433	429	423	444	439	434	441	456	1	12 17	535	19 38	415	120
25				452	450	453	457	465	462	461	467	483	489	509	520	513	495	480	468	440	437	442	440	454	444	444	451	466	0	12 15	531	16 44	428	103
26				452	460	462	454	458	460	456	471	491	504	518	549	550	549	511	474	454	445	449	445	449	452	452	459	476	0	12 01	560	19 17	439	121
27	✓			458	459	464	466	465	470	475	482	485	504	508	539	533	523	498	479	460	453	455	449	452	452	452	454	476	0	11 54	551	19 39	439	112
28				456	469	469	461	460	460	467	484	502	533	548	536	521	517	500	472	461	459	446	440	443	450	446	457	477	0	10 31	560	18 56	437	123
29				452	452	451	472	462	465	473	472	475	482	517	524	523	526	520	494	466	451	449	446	444	459	458	459	475	0	11 58	536	20 09	439	97
30				462	467	470	475	478	482	492	498	511	518	523	544	526	514	507	490	485	487	476	461	443	428	439	451	484	0	11 30	561	21 11	424	137
31				457	469	463	465	475	485	494	500	506	509	517	521	532	501	482	477	474	472	468	463	467	465	460	458	482	0	12 12	545	24 00	450	95
MEANS ALL DAYS				456	459	461	463	466	468	470	478	496	521	544	557	553	533	506	480	466	461	457	452	454	452	452	456	482						139
MEANS TEN DAYS *				455	459	463	465	467	469	473	482	501	526	551	562	557	538	509	488	475	471	465	459	460	461	465	467	487						131
MEANS FIVE DAYS † (G. M. T.)				446	453	457	459	464	468	472	478	493	512	539	550	546	533	509	488	474	469	453 463	452 460	452	450	447	445	480						
MEANS FIVE DAYS ‡ (G. M. T.)				446	443	449	449	452	455	456	463	473	498	528	543	548	529	503	468	444	433	431	442	449	439	441	445	468						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 226

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1941 — JUNE 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				451	450	455	468	464	468	475	486	495	518	524	534	529	529	510	500	486	468	461	457	459	463	462	462	482	0	11	52 542	0	03 448	94
2	✓	✓		463	466	469	475	476	478	483	489	498	522	543	559	568	561	540	514	492	480	479	481	487	482	479	478	498	0	12	16 571	0	08 461	110
3	✓	✓		481	484	484	481	482	480	485	494	504	531	550	558	551	527	514	500	486	479	475	472	468	466	465	469	495	0	11	35 565	22	03 462	103
4	✓	✓		472	472	474	477	482	487	506	525	541	559	572	576	589	559	526	505	493	489	488	483	479	477	476	475	508	0	12	52 639	0	02 471	168
5	✓	✓		475	471	470	474	479	481	485	503	527	555	571	575	582	559	536	506	486	474	468	464	462	469	473	474	501	0	12	15 595	20	30 459	136
6				475	481	485	487	481	477	480	501	508	509	522	536	534	526	518	500	489	484	481	484	480	477	474	473	494	0	11	27 551	23	41 472	79
7	✓			470	470	483	487	486	488	489	497	507	524	522	530	525	535	529	514	495	482	480	480	478	475	475	477	496	0	13	22 536	1	29 467	69
8	✓			477	478	476	477	477	481	494	493	506	521	545	532	530	523	527	519	503	488	483	484	485	484	485	491	498	0	10	32 559	4	04 472	87
9				493	503	504	501	524	519	516	510	545	549	569	582	568	549	516	508	501	487	488	481	464	464	475	477	512	0	11	47 588	20	32 461	127
10			✓	470	470	456	457	462	473	483	495	561	607	581	554	507	519	516	503	489	476	468	474	464	463	457	459	494	1	9	24 635	18	57 428	207
11			✓	458	459	461	462	463	466	476	506	528	555	554	582	566	539	498	457	445	452	461	463	457	457	450	454	486	1	11	32 607	15	36 440	167
12				460	462	463	471	472	473	479	497	510	532	572	573	581	550	505	471	464	468	468	471	469	464	471	489	493	1	12	08 600	0	31 458	142
13			✓	480	457	471	466	451	431	419	439	469	506	534	555	527	487	443	419	405	406	399	402	393	374	411	437	449	1	11	16 578	21	29 369	209
14			✓	434	426	437	441	443	449	460	471	497	509	526	525	523	513	491	470	467	453	434	429	424	419	415	425	462	1	10	17 536	22	50 407	129
15			✓	441	433	429	442	487	458	453	464	485	518	534	533	501	496	494	482	484	463	451	443	445	444	442	445	469	1	11	26 552	2	25 421	131
16	✓	✓		446	454	453	458	458	460	454	460	477	501	524	536	536	522	507	492	476	468	462	461	463	468	471	469	478	0	12	06 539	0	45 444	95
17				471	471	476	483	484	479	479	499	523	528	551	549	523	521	480	450	423	407	381	373	377	412	439	423	467	1	13	47 579	19	28 367	212
18				427	450	461	448	454	453	471	509	527	536	540	521	501	506	498	484	474	468	465	466	463	463	461	462	480	1	10	23 555	0	15 422	133
19				466	466	472	475	474	474	482	500	515	539	550	554	554	532	509	486	458	443	443	449	440	439	440	447	484	0	11	43 563	19	43 429	134
20				449	487	458	445	446	449	464	484	506	514	525	524	517	506	501	477	469	458	447	441	450	467	459	452	475	1	10	52 550	1	00 435	115
21				459	463	456	455	460	464	471	477	485	501	512	522	517	506	458	440	440	455	460	454	450	457	459	458	470	0	11	10 537	16	11 436	101
22				460	474	473	461	468	473	481	497	517	542	560	568	559	535	514	476	456	454	456	450	449	448	452	460	487	0	11	52 576	21	14 443	133
23	✓			461	464	465	466	468	473	484	496	507	521	535	536	518	506	491	477	472	472	471	468	465	468	468	469	484	0	10	38 546	0	22 459	87
24				471	471	478	478	476	482	484	499	534	549	572	594	575	538	511	476	465	458	447	453	456	454	458	464	493	0	11	45 608	18	24 441	167
25	✓			467	470	471	473	470	474	479	484	496	534	569	582	572	552	514	483	468	458	447	437	460	456	451	452	488	0	11	08 585	19	34 430	155
26				453	454	458	463	469	476	485	506	534	553	569	575	567	547	518	483	471	465	454	457	454	455	456	466	491	0	10	56 580	18	14 442	138
27				455	450	463	481	488	477	484	509	534	548	569	584	573	559	529	503	482	479	475	466	458	467	464	465	498	1	11	35 593	1	25 447	146
28				463	469	476	473	478	475	477	489	502	528	541	565	578	565	519	473	458	466	464	465	465	455	456	468	490	0	12	02 583	21	07 453	130
29				474	483	483	485	492	486	501	524	548	576	586	598	603	575	538	499	476	468	468	471	469	464	462	462	508	0	11	56 608	23	02 459	149
30	✓			470	476	475	473	476	475	478	484	498	527	557	570	565	542	524	501	483	480	480	467	458	450	467	476	494	0	11	12 575	21	32 440	135
31																																		
MEANS ALL DAYS				463	466	468	469	473	473	479	493	513	534	549	556	548	533	509	486	472	465	460	458	456	457	459	463	488						133
MEANS TEN DAYS ✱				468	470	472	474	475	478	484	492	506	530	549	555	554	539	521	501	485	477	473	470	470	470	471	473	494						114
MEANS FIVE DAYS † (G. M. T.)				467	469	470	473	475	477	483	494	509	534	552	561	565	546	525	503	487	478	471 474	467 472	468	466	465	466	495						
MEANS FIVE DAYS ‡ (G. M. T.)				457	449	451	454	461	455	458	475	508	539	546	550	525	511	488	466	458	450	443	451	443	437	446	457	474						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 227

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1941 — JULY 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				464	461	454	461	461	467	467	479	491	512	544	560	556	545	521	499	487	466	458	457	453	469	466	464	486	0	12	12	564	20	42	449	115
2	✓			461	457	460	474	463	462	462	465	482	514	517	520	508	491	476	467	460	463	464	462	466	468	476	476	476	0	11	29	526	1	39	456	70
3				478	479	480	480	483	489	494	523	530	565	582	599	554	532	515	497	476	468	469	470	471	471	480	495	503	0	11	36	621	24	00	465	156
4			✓	454	439	444	457	459	461	467	486	506	528	562	564	534	531	463	420	413	437	444	418	430	395	365	397	461	0	11	03	582	22	15	345	237
5			✓	422	374	352	355	354	256	115	90	-49	117	52	157	225	221	231	225	170	244	265	274	290	288	295	303	234	2	3	58	449	8	22	-125	574
6			✓	307	316	326	328	337	333	354	373	400	396	414	427	393	390	366	341	349	341	352	360	341	363	384	377	361	1	11	15	449	0	00	305	144
7			✓	353	370	393	395	392	394	396	406	407	430	457	463	475	481	451	423	394	389	394	401	394	394	394	396	410	1	13	05	555	0	21	348	207
8				392	407	403	392	392	397	397	413	439	447	493	500	495	481	456	438	420	409	406	405	403	403	405	408	425	1	11	07	534	3	42	384	150
9				409	412	413	413	415	418	426	439	453	478	500	535	547	530	505	473	475	442	417	423	424	408	423	422	450	1	13	27	560	21	33	400	160
10				423	414	421	427	424	424	426	426	440	468	495	516	503	470	440	393	370	369	387	406	415	412	408	416	429	0	11	11	528	16	20	360	168
11				426	421	429	436	424	424	417	418	437	476	500	516	511	495	471	450	437	429	426	424	423	421	422	421	444	0	12	07	521	6	42	411	110
12				419	425	431	421	418	426	422	431	437	460	481	499	514	511	488	462	449	441	440	438	436	437	438	439	448	0	12	59	517	3	53	415	102
13	✓	✓		440	441	442	441	437	439	439	446	464	487	516	523	512	499	478	462	444	435	435	435	435	437	436	433	456	0	11	11	530	24	00	432	98
14	✓	✓		435	439	440	440	441	440	439	442	450	477	504	529	533	523	502	474	450	443	444	443	442	439	438	437	460	0	12	16	535	0	17	430	105
15	✓			435	439	441	441	447	450	462	474	482	503	528	553	556	543	512	489	467	461	456	455	453	449	432	443	474	0	12	32	562	22	44	424	138
16				448	448	455	454	459	470	463	477	496	533	530	562	551	506	486	452	431	422	411	423	439	435	436	445	468	0	11	32	577	19	03	407	170
17				445	438	438	453	446	449	457	474	490	515	524	531	545	516	485	467	451	443	440	440	432	427	435	440	466	0	12	21	561	21	35	423	138
18	✓			442	445	446	446	449	454	463	481	507	529	549	561	549	534	492	458	451	443	443	444	443	441	433	431	472	0	11	56	574	22	56	429	145
19				435	439	444	447	450	453	451	454	467	494	518	512	505	502	486	465	450	439	440	436	437	436	440	444	460	0	10	29	527	0	02	432	95
20				445	447	447	454	456	459	469	491	527	557	571	560	518	496	456	438	450	456	461	454	446	469	448	443	476	0	11	04	591	23	56	428	163
21			✓	422	413	407	412	425	419	401	423	465	499	519	526	522	491	438	384	404	412	411	411	401	425	404	409	435	1	12	17	540	15	42	375	165
22				428	418	432	430	430	432	450	476	496	513	515	505	524	507	473	448	445	439	436	423	415	407	422	421	454	0	11	58	533	21	16	403	130
23				430	446	433	428	434	434	432	454	478	471	501	537	526	524	499	475	452	437	425	420	423	424	418	426	455	0	11	47	549	18	57	410	139
24				442	437	438	443	452	458	460	467	495	520	555	573	577	570	531	476	444	435	434	440	441	450	450	461	477	0	13	10	592	0	00	427	165
25				463	438	454	445	446	445	445	448	459	490	496	509	511	512	496	473	453	442	440	439	440	441	440	440	461	0	12	47	520	0	56	431	89
26	✓	✓		441	444	445	451	453	454	461	484	506	540	564	580	570	541	515	477	456	449	447	448	447	447	445	442	479	0	11	13	582	23	33	439	143
27	✓	✓		443	445	450	453	453	456	468	486	510	540	566	565	549	510	476	455	448	452	456	449	445	445	448	446	476	0	10	43	573	20	59	442	131
28	✓			445	449	447	448	449	454	458	483	509	541	572	587	578	552	519	483	461	457	457	459	457	453	456	456	485	0	11	28	591	0	36	444	147
29	✓	✓		460	462	464	469	475	481	487	502	529	553	575	588	593	566	516	482	469	466	465	460	458	458	458	450	495	0	12	22	597	23	55	448	149
30	✓			449	449	452	471	469	464	469	481	498	518	543	564	568	564	541	503	473	463	462	466	468	464	461	458	488	0	11	56	575	1	50	446	129
31				459	462	464	467	471	473	474	488	493	511	538	572	564	562	545	505	475	453	454	450	450	453	454	456	487	0	11	36	577	20	01	446	131
MEANS ALL DAYS				433	431	434	437	438	437	435	448	461	490	509	526	521	506	478	450	435	430	430	430	430	430	429	432	453								154
MEANS TEN DAYS *				445	447	449	453	454	455	461	474	494	520	543	557	552	532	503	475	458	453	453	452	451	450	448	447	476								126
MEANS FIVE DAYS (G. M. T.) †				444	446	448	451	452	454	459	472	492	519	545	557	551	528	497	470	453	449	444 449	444 447	443	443	443	442	473								
MEANS FIVE DAYS (G. M. T.) ‡				392	382	384	389	393	373	347	356	346	394	401	427	430	423	390	359	346	365	373	395	396	397	394	403	386								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▲ = NO RECORD

TABLE 228

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				454	455	459	453	457	460	467	482	505	521	537	547	537	530	529	491	454	430	422	424	412	435	431	421	471	0	11	35	20	48	154
2			✓	425	444	435	438	429	433	441	462	496	486	504	494	490	465	435	434	430	424	431	430	428	421	429	433	447	1	8	45	17	21	124
3				430	445	431	428	429	434	451	470	477	483	506	497	516	497	472	455	439	437	437	434	437	456	444	466	457	0	12	21	22	57	117
4			✓	427	394	414	442	431	418	389	395	381	467	381	423	423	398	402	351	318	317	328	374	338	336	354	376	387	2	9	36	16	00	212
5				381	386	391	394	395	398	411	417	421	432	447	451	447	452	457	443	425	401	407	405	407	401	403	403	416	1	11	54	0	00	100
6				404	427	417	417	419	422	435	451	473	494	518	498	510	489	456	426	389	393	389	355	349	371	400	429	430	0	10	49	19	43	211
7				415	413	417	427	431	433	449	466	484	507	533	546	546	537	510	482	449	421	422	426	425	429	428	431	459	0	12	00	0	42	154
8	✓			433	438	433	432	435	438	442	460	487	521	547	560	567	549	515	475	447	440	440	439	439	438	437	438	469	0	12	29	0	16	144
9	✓	✓		440	441	441	444	447	449	453	466	497	527	558	582	578	553	519	487	464	452	450	447	445	448	451	450	479	0	11	52	0	03	150
10	✓	✓		451	450	451	454	455	455	453	460	488	526	550	571	570	550	514	482	476	480	466	459	451	453	455	458	482	0	11	46	20	39	130
11	✓			456	452	451	466	471	469	464	470	488	512	540	537	535	531	493	468	455	446	444	449	447	449	448	448	475	0	11	55	20	55	113
12				449	450	450	450	455	457	461	468	481	501	529	539	529	516	504	491	469	453	447	439	442	453	454	447	472	0	11	41	19	48	119
13				453	458	455	452	455	462	459	464	479	509	550	554	549	545	524	498	474	457	455	449	444	448	451	463	479	0	11	23	20	20	136
14				450	443	447	447	454	458	469	486	507	534	566	588	570	548	518	489	470	458	458	457	444	440	443	441	483	0	11	35	21	22	159
15	✓			445	446	447	451	452	455	458	462	466	480	490	507	502	490	476	466	461	457	455	455	454	455	455	454	464	0	11	22	0	00	74
16	✓	✓		454	452	452	455	456	459	461	472	501	510	542	576	588	571	548	511	480	458	455	457	448	443	447	449	485	0	12	23	21	16	148
17	✓	✓		452	454	452	454	456	461	455	452	462	486	514	537	537	532	517	492	474	467	460	458	461	462	462	463	476	0	12	18	7	16	92
18				465	465	466	466	469	470	466	469	489	515	567	565	565	562	538	506	478	469	477	468	466	443	427	441	488	0	10	51	22	18	160
19				433	442	446	456	453	452	464	473	480	493	514	536	519	534	502	473	457	440	434	441	443	442	440	439	467	1	11	02	0	15	138
20	✓			438	438	442	447	449	451	452	458	468	473	476	495	520	528	528	509	483	460	452	452	450	446	450	449	467	0	14	20	0	38	98
21				436	433	437	452	461	467	482	518	556	586	576	569	531	530	489	483	477	458	447	450	451	450	453	454	485	0	10	05	0	49	172
22	✓			454	454	456	458	461	465	473	494	522	554	571	590	591	578	541	503	472	458	454	453	452	455	453	453	492	0	11	55	23	09	151
23	✓	✓		455	452	458	458	460	465	477	494	522	553	578	586	579	564	542	512	485	465	458	454	450	454	456	454	493	0	11	29	23	35	146
24				451	453	449	444	462	465	477	499	531	560	572	579	562	538	516	502	477	452	441	444	448	451	452	453	487	0	11	36	18	38	154
25				454	456	457	461	464	470	481	496	513	539	548	547	559	534	489	449	438	436	432	428	448	429	432	430	475	0	12	50	19	27	153
26			✓	440	434	436	440	449	444	439	448	465	522	530	533	505	483	445	403	404	397	371	354	353	390	376	381	435	1	11	43	19	25	217
27			✓	405	417	408	414	406	415	409	389	432	449	491	539	533	522	458	409	385	369	394	377	394	402	406	426	427	1	11	56	17	28	244
28				415	413	436	430	428	413	422	428	469	523	583	615	615	580	516	459	422	416	421	414	405	418	434	434	463	1	12	09	20	10	243
29			✓	423	417	423	430	428	441	436	448	476	481	517	544	517	494	455	435	410	404	410	415	389	394	421	436	444	0	11	13	20	28	81
30				430	417	423	429	434	435	437	445	468	507	521	536	544	543	499	467	437	430	441	438	443	434	433	442	460	0	9	37	1	38	141
31				447	441	434	441	445	450	463	480	509	528	549	562	550	545	514	483	467	452	443	436	436	441	435	436	474	0	11	53	24	00	163
MEANS ALL DAYS				438	438	439	443	445	447	451	463	484	509	529	542	538	525	497	469	447	435	434	432	429	432	434	439	464						148
MEANS TEN DAYS *				448	448	448	452	454	457	459	469	490	514	537	554	557	545	519	490	470	458	453	452	450	450	451	452	478						125
MEANS FIVE DAYS † (G. M. T.)				450	450	451	453	455	458	460	469	494	520	548	570	570	554	528	497	476	464	451 458	450 455	448	448	449	449	482						
MEANS FIVE DAYS ‡ (G. M. T.)				424	421	423	433	429	430	423	428	450	481	485	507	494	472	439	406	389	382	387	411	411	426	423	426	433						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 229

HORIZONTAL INTENSITY

SEPTEMBER 1941

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				432	457	444	440	440	448	460	481	526	574	578	601	608	551	519	490	463	440	426	424	428	435	438	437	481	0	12	13	628	19 37	422	206
2				435	431	437	436	438	439	450	472	501	525	534	541	533	516	499	482	457	438	438	447	437	437	438	439	467	0	11	25	557	18 18	427	130
3	✓			444	443	447	447	449	452	454	474	502	531	563	579	577	555	513	475	457	454	451	449	447	447	447	447	479	0	11	47	589	0 12	441	148
4	✓	✓		454	452	452	453	455	456	464	487	523	557	583	593	594	570	530	493	468	450	453	451	449	449	447	447	489	0	12	10	600	23 52	443	157
5	✓	✓		446	448	451	453	456	457	467	481	503	524	551	567	568	556	536	507	481	466	459	458	456	455	453	451	485	0	12	09	574	0 00	444	130
6	✓	✓		453	457	461	460	460	462	468	491	518	546	567	576	575	551	525	503	488	479	473	472	469	467	467	474	494	0	10	56	583	0 00	451	132
7				477	459	454	448	461	465	482	505	523	510	510	544	522	513	497	459	433	437	443	441	432	425	429	435	471	1	11	32	574	21 49	419	155
8	✓			435	439	442	437	440	448	461	484	516	550	585	588	581	545	513	487	459	441	422	429	435	441	439	437	477	0	10	09	592	18 56	417	175
9				441	444	448	449	454	462	470	489	517	543	562	559	547	519	498	488	478	464	455	443	438	443	448	447	479	0	10	19	572	20 02	435	137
10	✓			451	451	454	457	458	460	470	484	508	537	554	551	545	544	527	510	486	467	459	455	447	443	447	450	484	0	10	18	566	21 12	438	128
11	✓			451	458	461	461	462	459	459	461	478	512	534	560	566	546	519	493	464	447	452	448	447	452	456	451	479	0	12	22	573	17 52	443	130
12	✓	✓		451	452	453	453	456	458	458	472	505	537	558	575	580	567	541	511	483	467	462	461	459	459	457	457	489	0	12	32	583	0 32	449	134
13			✓	458	460	463	478	482	494	504	490	497	482	393	452	522	504	505	503	445	413	403	413	409	413	427	426	460	1	9	36	598	10 21	288	310
14				412	443	443	439	436	439	448	468	500	515	514	534	532	518	469	459	432	408	417	441	432	419	427	439	458	1	12	28	554	17 33	397	157
15			✓	446	448	442	438	443	447	443	444	469	507	541	544	553	535	474	424	408	432	429	427	432	428	425	432	459	1	13	06	585	16 22	393	192
16				440	436	434	438	441	446	456	476	509	546	566	568	571	541	484	482	461	432	425	419	430	432	429	429	470	0	12	21	594	19 29	418	176
17				430	432	432	438	442	448	457	479	504	544	562	570	564	554	524	510	494	472	462	454	450	440	433	465	482	0	12	00	587	0 12	426	161
18			✓	480	445	409	310	345	319	250	126	151	259	369	296	289	282	189	75	46	62	42	28	88	105	83	255	221	2	10	41	601	8 54	-12	613
19			✓	131	141	241	218	240	241	274	306	327	339	335	325	339	351	304	315	323	323	318	306	319	319	341	343	292	2	11	31	396	1 16	84	312
20			✓	343	341	334	342	353	345	333	353	407	458	500	515	494	451	402	375	370	372	371	369	370	374	374	364	388	1	11	03	537	6 29	304	233
21				364	367	364	367	373	367	378	404	471	531	566	520	522	506	479	438	401	385	386	388	387	385	386	384	422	1	10	18	600	3 02	358	242
22	✓	✓		385	385	394	394	398	392	387	407	451	504	548	571	577	535	481	439	420	411	412	410	411	406	406	399	438	0	12	21	588	1 16	377	211
23				400	403	403	410	415	413	413	466	516	564	555	555	508	469	457	445	437	422	411	400	398	396	393	410	444	0	10	21	598	22 22	389	209
24				401	401	404	410	411	409	414	464	500	548	588	600	590	516	471	427	380	355	365	348	353	363	374	375	436	1	10	29	643	19 41	335	308
25				384	392	395	400	412	406	398	402	449	490	514	533	513	482	444	408	404	404	406	408	407	407	407	406	428	0	11	04	540	0 02	379	161
26	✓			407	410	413	416	419	417	418	435	472	523	562	584	572	541	499	468	443	428	423	419	412	408	403	414	454	0	11	05	594	22 05	396	198
27				417	428	430	418	416	422	427	450	489	510	547	554	530	484	457	442	436	427	419	415	416	416	416	417	449	0	11	45	568	19 43	412	156
28				416	421	428	428	429	433	437	459	498	542	571	582	591	566	502	481	438	419	435	436	433	431	416	416	467	0	12	35	608	23 39	409	199
29				425	430	430	429	429	430	431	435	467	490	523	533	498	493	476	449	435	427	426	421	429	416	413	415	448	0	11	39	568	21 54	407	161
30				420	419	417	430	431	428	432	457	476	509	555	553	552	523	478	445	443	435	431	428	426	420	419	417	456	0	10	52	581	2 28	409	172
31																																		
MEANS ALL DAYS				418	420	423	420	425	425	429	443	476	510	533	541	537	513	477	449	428	416	412	410	412	411	411	419	448							198
MEANS TEN DAYS ✱				438	440	443	443	445	446	451	468	498	532	560	574	574	551	518	489	465	451	447	445	443	443	442	443	477							154
MEANS FIVE DAYS † (G. M. T.)				438	439	442	443	445	445	449	468	500	534	561	576	579	556	523	491	468	455	440 452	439 450	437	438	438	436	477							
MEANS FIVE DAYS ‡ (G. M. T.)				372	367	378	357	373	369	361	344	370	409	428	426	439	425	375	338	318	320	313	338	350	348	348	392	369							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 230

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				419	425	422	424	431	437	448	470	504	533	560	571	561	514	486	467	451	438	432	433	431	430	429	428	464	0	11	43	572	0 01	414	158
2				427	428	432	432	432	431	417	413	437	473	515	530	531	529	511	465	447	427	415	406	412	419	419	417	449	0	12	15	544	19 28	404	140
3	✓			419	427	430	432	435	437	441	461	491	521	543	552	548	538	511	478	447	432	430	439	438	439	437	437	465	0	11	05	559	0 00	416	143
4	✓	✓		439	441	444	450	447	445	451	483	523	566	591	607	583	540	507	485	474	455	430	417	417	419	425	429	478	0	11	15	613	19 23	413	200
5				430	427	431	441	435	438	435	470	520	563	584	590	580	554	502	470	451	444	441	437	436	438	439	438	475	0	10	56	605	1 24	424	181
6		✓		438	438	435	442	446	443	438	471	505	543	580	588	565	550	518	478	452	445	443	438	441	443	440	439	476	0	10	46	610	2 40	433	177
7	✓	✓		440	441	443	447	449	447	437	449	480	529	570	584	574	546	516	490	468	459	451	439	430	420	409	400	472	0	12	08	612	23 23	394	218
8				419	423	423	427	431	431	428	451	493	541	577	602	556	521	496	469	446	439	436	434	432	430	419	423	464	0	11	44	608	0 00	408	200
9				424	425	426	429	432	431	434	470	510	567	608	622	601	564	520	476	458	451	451	450	449	448	447	448	481	0	11	42	641	0 00	423	218
10				447	449	449	451	455	456	447	463	504	554	623	657	616	573	517	462	442	441	438	434	425	415	419	425	482	0	11	11	682	21 56	412	270
11			✓	427	457	452	428	404	392	379	403	435	486	559	625	566	539	454	414	387	406	387	365	370	387	380	378	437	1	11	49	664	18 37	353	311
12			✓	393	407	419	421	406	405	397	421	457	502	521	566	559	532	495	460	432	411	411	416	420	416	411	412	445	0	12	31	583	0 00	385	198
13				414	423	423	426	429	423	418	433	463	514	558	571	546	520	499	470	446	435	431	431	429	422	416	421	457	0	11	05	578	0 00	411	167
14				425	421	420	424	428	425	426	449	481	504	547	530	564	563	514	467	442	427	418	402	402	416	415	417	455	0	13	06	589	19 45	396	193
15				412	407	413	415	413	412	400	414	459	494	526	524	514	494	463	446	426	414	412	416	415	410	399	402	438	0	10	56	541	6 58	390	151
16			✓	409	409	414	417	425	425	422	442	451	491	524	539	524	483	488	467	418	421	425	432	432	431	430	428	448	1	10	58	552	1 08	407	145
17	✓	✓		425	420	428	424	424	427	439	453	487	513	519	534	530	518	498	472	459	444	433	431	430	430	430	431	458	0	11	37	545	1 44	416	129
18	✓			429	431	428	429	437	433	435	458	492	514	525	536	510	479	470	463	453	443	432	428	425	431	422	419	455	0	11	21	546	23 09	416	130
19				423	435	439	435	438	438	439	466	509	530	563	541	504	500	486	472	457	441	436	432	429	428	424	418	462	0	10	47	579	23 47	415	164
20				419	419	438	435	434	434	433	472	525	560	571	568	541	503	470	450	443	443	443	440	438	432	425	421	465	0	10	48	579	0 25	417	162
21	✓	✓		423	428	433	439	441	441	449	484	532	576	597	582	543	500	465	457	458	460	453	441	440	445	444	437	474	0	10	41	611	0 25	422	189
22			✓	431	434	433	442	453	453	459	499	555	586	623	623	526	357	407	408	412	403	397	399	396	395	393	415	454	2	10	39	701	13 03	271	430
23				424	414	413	413	419	421	420	440	467	511	518	524	536	496	466	447	427	405	402	420	414	419	415	410	443	1	12	41	555	18 26	397	158
24				413	417	418	417	420	421	422	443	493	541	556	563	548	505	448	435	436	434	420	439	433	426	438	438	455	0	11	31	577	0 37	411	166
25	✓			438	431	431	429	433	433	439	470	521	563	602	607	586	542	492	464	445	438	436	434	431	429	428	429	473	0	10	33	614	1 20	427	187
26				439	435	440	444	436	435	421	407	459	519	579	610	614	560	486	446	400	381	399	411	416	418	415	420	458	0	11	41	625	17 02	377	248
27	✓			423	425	429	427	434	436	431	447	478	515	537	549	547	534	515	488	450	435	433	431	430	431	434	432	462	0	11	39	553	0 12	420	133
28	✓			431	434	434	437	440	441	438	453	486	498	502	517	519	502	471	460	450	434	417	430	434	436	438	439	456	0	11	39	540	18 29	415	125
29	✓			439	441	442	444	443	452	464	485	519	539	560	547	528	516	499	484	469	455	452	449	443	435	435	442	474	0	11	10	574	21 58	425	149
30				440	438	442	440	445	451	462	488	507	514	516	531	513	491	471	457	452	441	435	435	437	435	441	415	462	0	11	36	541	24 00	386	155
31			✓	370	383	401	411	426	431	443	464	502	501	500	502	437	364	382	379	357	319	291	232	281	291	275	264	384	2	11	42	554	19 49	206	348
MEANS ALL DAYS				424	427	430	431	433	433	433	455	492	528	557	567	547	514	485	460	440	430	424	421	421	421	419	418	459							192
MEANS TEN DAYS *				431	432	434	436	438	439	442	464	501	533	555	562	547	522	494	474	457	446	437	434	432	432	430	430	467							160
MEANS FIVE DAYS † (G. M. T.)				433	434	437	440	441	441	443	468	505	545	571	579	559	531	501	476	462	453	436 442	437 433	437	437	434	433	472							
MEANS FIVE DAYS ‡ (G. M. T.)				406	418	424	424	423	421	420	446	480	513	545	571	522	455	445	426	401	392	382	418	417	418	417	411	442							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 231

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1941

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	303	369	354	349	356	360	372	391	401	429	404	353	339	404	422	424	414	389	380	381	382	388	388	387	381	1	9	41 476	0	00 271	205
2	✓			388	389	387	387	391	401	422	454	489	514	526	517	496	477	451	422	409	403	397	393	404	408	409	412	431	0	10	31 536	3	11 386	150
3	✓			409	414	418	419	422	426	442	481	514	540	516	503	494	476	458	443	429	424	425	418	418	415	409	408	447	0	10	03 563	24	00 404	159
4	✓	✓		408	411	414	414	420	421	433	465	504	524	535	526	510	481	460	447	428	425	432	432	431	431	437	435	451	0	10	14 540	0	01 404	136
5				436	437	437	437	441	446	456	482	513	550	544	551	498	416	437	430	395	387	411	418	424	415	430	425	451	0	9	43 575	17	19 376	199
6			✓	418	415	414	420	423	414	415	440	444	500	528	525	489	457	416	413	390	398	393	404	415	408	408	412	432	1	10	03 582	16	25 374	208
7				411	408	410	416	415	417	438	469	516	547	559	544	518	491	458	435	416	414	417	424	419	398	418	412	449	0	10	53 571	21	32 392	179
8				407	407	421	416	414	423	426	461	503	507	509	507	502	467	457	439	430	428	429	429	426	426	424	423	445	0	11	06 532	1	06 398	134
9				426	429	430	436	429	426	424	443	491	499	501	499	516	510	500	477	451	431	432	426	418	415	411	413	451	0	13	18 523	22	19 407	116
10			✓	414	417	421	417	429	437	441	473	498	488	477	527	503	465	434	442	430	423	395	370	375	383	389	407	436	1	11	42 556	19	13 364	192
11				406	409	414	418	422	427	436	442	471	493	508	513	496	457	448	438	428	415	407	415	418	416	417	419	439	0	11	02 535	17	59 400	135
12				423	434	425	427	428	433	439	448	466	481	483	497	474	470	461	446	436	428	425	424	423	423	421	422	443	0	11	50 509	0	30 418	91
13				428	430	428	424	430	434	441	460	479	487	488	481	477	478	465	467	461	446	424	427	429	430	430	428	449	0	11	04 505	18	53 422	83
14	✓			426	423	422	424	431	434	434	438	460	472	495	492	478	473	478	469	456	444	434	434	434	435	437	437	448	0	11	05 506	3	08 420	86
15	✓	✓		435	437	439	438	440	444	454	466	505	507	514	492	479	467	465	469	460	462	462	457	448	444	438	437	461	0	10	53 524	23	25 432	92
16	✓	✓		445	443	446	448	449	454	465	492	518	534	542	538	519	519	511	504	469	463	453	454	446	436	433	436	476	0	10	56 548	21	45 425	123
17			✓	442	427	411	414	435	438	439	462	494	508	525	474	419	398	400	404	384	394	403	416	412	407	418	408	430	1	9	51 558	13	47 347	211
18				405	404	413	413	413	420	431	457	482	495	510	525	494	450	382	401	431	441	443	402	433	436	419	422	438	1	11	12 554	14	37 358	196
19				426	423	425	432	434	448	479	490	533	572	585	561	533	500	487	469	428	398	407	413	424	425	425	422	464	0	10	48 602	17	11 392	210
20				419	426	434	432	434	441	455	480	514	546	555	553	518	490	445	425	445	447	436	411	412	430	425	423	458	0	11	03 576	19	36 405	171
21				423	423	426	431	433	450	467	501	560	597	596	585	536	495	450	429	420	422	421	434	438	438	438	438	469	0	9	31 629	16	52 407	222
22				439	438	438	446	446	447	460	502	551	583	586	569	530	456	448	419	406	422	424	416	410	402	402	411	460	0	10	09 619	16	02 391	228
23				410	413	414	432	436	446	449	484	496	545	553	554	532	496	462	428	414	414	427	428	433	436	435	435	457	0	9	57 582	16	52 400	182
24	✓	✓		438	437	438	436	431	432	441	467	512	555	581	582	567	536	513	489	457	443	448	451	449	447	448	451	477	0	11	13 589	4	13 428	161
25	✓			443	442	443	439	440	437	452	479	530	569	596	585	546	511	471	451	442	441	446	448	449	449	447	442	475	0	10	58 609	5	17 434	175
26	✓	✓		437	442	444	446	443	447	460	478	497	532	542	537	521	499	485	481	467	455	450	451	452	449	455	464	472	0	10	28 547	0	32 435	112
27				436	426	431	449	458	465	492	522	523	540	532	525	532	509	490	470	457	450	456	455	434	409	390	374	468	0	10	34 557	24	00 354	203
28			✓	358	339	338	344	376	382	390	421	460	481	477	459	424	364	274	311	361	396	398	390	387	388	386	383	387	2	11	12 505	14	26 192	313
29				391	391	399	402	403	410	427	456	492	494	499	478	458	453	446	450	451	435	424	421	421	421	422	420	436	0	8	53 519	0	00 387	132
30	✓			418	421	423	425	430	443	452	458	471	479	476	449	459	453	452	438	446	437	427	422	423	422	426	424	441	0	9	51 493	0	16 415	78
31																																		
MEANS ALL DAYS				416	417	419	421	425	430	441	465	496	519	525	517	495	471	451	441	430	426	424	422	423	421	421	421	447						163
MEANS TEN DAYS ✻				425	426	427	428	430	434	446	468	500	523	532	522	507	489	474	461	446	440	437	436	435	434	434	435	458						127
MEANS FIVE DAYS † (G. M. T.)				433	434	436	436	437	440	451	474	507	530	543	535	519	500	487	478	456	450	439 449	437 449	436	436	433	432	465						
MEANS FIVE DAYS ‡ (G. M. T.)				387	393	388	389	404	406	411	437	459	481	482	468	435	418	389	399	396	400	394	397	401	393	388	382	412						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 232

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1941 — DECEMBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1			✓	426	463	448	468	451	434	332	352	400	389	295	329	285	316	354	364	354	335	349	361	357	354	369	373	373	2	8	55	537	10	21	167	370
2			✓	365	373	379	382	386	399	402	413	440	438	436	440	437	452	437	437	431	454	407	402	402	399	402	398	413	1	11	46	459	0	43	357	102
3				400	403	403	406	408	414	431	465	506	540	558	540	479	398	416	398	436	434	415	404	403	423	424	424	439	0	10	31	571	13	35	368	203
4				422	420	421	426	433	432	445	472	501	525	520	532	475	463	402	392	392	409	413	411	412	416	418	420	440	1	11	46	549	15	42	371	178
5				417	414	412	421	418	421	437	471	512	532	563	549	520	472	384	380	400	406	417	432	432	429	414	421	445	1	11	07	611	14	39	349	262
6				428	415	413	416	420	430	457	497	540	569	559	526	500	481	454	440	432	426	429	426	424	421	426	424	456	0	9	21	584	3	04	411	173
7				429	432	432	430	429	428	434	453	496	533	557	569	541	502	467	443	444	438	429	430	429	425	424	430	459	0	11	18	581	22	44	423	158
8	✓			427	427	427	431	435	438	445	470	513	538	557	552	535	495	487	464	441	433	430	430	434	433	433	431	463	0	10	06	573	0	34	424	149
9				434	438	440	445	444	434	423	444	434	504	505	548	555	537	515	469	442	428	432	435	432	425	423	432	459	0	12	31	566	6	47	407	159
10				431	429	435	437	437	430	425	437	468	517	529	536	553	539	520	498	469	447	439	438	436	434	436	434	465	0	12	30	562	6	59	413	149
11	✓	✓		434	436	437	439	441	443	450	471	500	512	512	500	484	473	473	468	468	461	452	446	446	443	446	442	462	0	9	12	526	0	00	434	92
12	✓	✓		442	446	446	450	452	452	456	466	492	526	530	542	521	491	469	457	450	444	445	446	452	455	459	456	469	0	11	34	546	17	45	440	106
13				453	448	443	451	462	475	475	478	472	484	506	488	475	444	425	439	439	426	419	403	398	404	439	423	449	0	9	51	522	21	39	390	132
14			✓	423	424	428	433	434	435	435	433	491	491	514	521	507	525	479	447	411	407	420	423	425	427	426	419	449	0	11	32	551	16	53	400	151
15				420	426	425	425	427	433	444	456	497	518	535	535	523	496	481	460	448	444	436	441	429	414	402	425	456	0	9	53	548	22	25	392	156
16			✓	418	427	428	424	429	435	452	474	504	542	556	553	536	508	483	454	439	432	438	452	453	437	431	434	464	0	9	53	577	0	38	410	167
17				432	426	432	432	432	437	452	481	522	560	574	580	540	479	456	421	429	426	444	444	439	434	434	430	464	0	10	59	601	15	26	392	209
18				420	430	456	449	431	445	449	475	510	551	558	520	501	459	442	439	460	440	441	444	443	444	441	441	462	1	10	36	639	0	17	414	225
19				439	446	451	438	433	444	460	479	502	524	531	511	480	429	404	413	429	436	438	438	443	444	446	448	454	0	10	50	544	14	29	395	149
20	✓	✓		447	446	446	446	444	441	452	474	514	557	571	572	543	514	485	463	452	455	456	452	453	451	450	451	476	0	10	49	583	5	24	439	144
21	✓	✓		447	446	448	448	447	449	463	483	506	529	542	545	530	494	461	447	444	446	454	461	458	452	446	444	470	0	10	50	561	16	35	436	125
22	✓			447	450	450	450	448	452	472	494	519	553	583	582	549	516	484	463	445	445	448	452	454	450	451	450	479	0	10	08	605	16	53	439	166
23				449	448	452	456	456	456	471	489	509	537	556	569	539	548	511	479	429	413	456	432	436	431	428	430	474	0	11	44	590	16	54	406	184
24				434	440	445	442	441	452	444	451	463	497	518	538	545	537	505	464	444	437	437	441	442	444	441	438	464	0	12	03	559	0	09	430	129
25	✓	✓		440	444	444	457	452	455	459	471	493	532	562	563	544	512	482	460	443	444	446	451	450	451	451	446	473	0	10	23	582	0	05	436	146
26	✓			442	443	446	446	452	457	459	455	476	470	516	524	519	517	504	487	458	434	423	419	410	406	409	423	458	0	10	44	542	21	56	400	142
27			✓	427	425	429	433	434	442	447	424	443	474	485	507	530	516	489	470	459	438	421	430	431	431	427	425	452	0	12	51	572	7	23	404	168
28				432	437	443	446	446	449	453	450	471	490	480	500	506	485	480	473	462	448	434	417	435	435	433	435	456	0	12	11	523	19	18	406	117
29				433	435	432	439	442	448	453	457	472	502	517	473	451	449	463	480	455	452	441	439	439	439	439	439	454	0	10	24	543	12	58	422	121
30	✓			443	444	444	442	441	448	455	459	460	490	475	483	481	460	456	474	463	448	442	434	432	434	439	441	454	0	9	42	512	20	37	429	83
31	✓			441	442	441	440	441	446	451	463	483	523	529	524	464	467	456	459	463	461	453	447	446	445	446	454	462	0	10	17	542	0	39	438	104
MEANS ALL DAYS				430	433	435	437	437	440	445	460	487	514	524	524	505	483	462	448	440	434	432	432	431	430	431	432	455								159
MEANS TEN DAYS *				441	442	443	445	445	448	456	471	496	523	538	539	517	494	476	464	453	447	445	444	444	442	443	444	467								126
MEANS FIVE DAYS † (G. M. T.)				442	444	444	448	447	448	456	473	501	531	543	544	524	497	474	459	451	450	444 451	443 451	444	443	444	443	469								
MEANS FIVE DAYS ‡ (G. M. T.)				412	422	422	428	427	429	414	419	456	467	457	470	459	463	448	434	419	413	407	409	403	400	409	414	429								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 233

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1941

JANUARY 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				146	145	148	150	150	151	152	156	132	150	145	142	145	143	138	132	138	146	145	148	148	148	148	148	146	1	7	14	158	15 42	130	28
2	✓			146	147	148	150	150	150	145	144	142	142	134	130	127	119	121	132	144	145	145	148	148	149	148	147	142	0	5	08	151	13 32	116	35
3	✓			146	145	146	148	149	148	146	150	151	151	153	150	141	136	123	120	131	139	140	145	146	148	146	145	143	0	10	28	154	15 27	117	37
4				143	145	145	148	150	153	155	163	164	158	155	156	150	133	136	141	143	149	148	150	151	152	152	151	150	0	7	52	165	13 32	132	33
5	✓	✓		151	150	151	152	154	154	153	157	155	143	138	135	125	125	135	139	140	143	147	149	149	145	140	142	145	0	7	43	159	13 08	123	36
6				147	147	144	148	151	149	153	163	163	158	154	143	124	115	114	132	144	148	148	152	153	153	152	152	146	1	8	00	165	14 28	111	54
7				151	151	151	151	153	151	150	152	146	140	135	127	121	125	140	148	147	147	147	152	152	152	152	152	146	0	5	08	154	12 35	118	36
8				151	151	151	150	153	150	150	153	156	163	166	156	146	140	141	144	149	149	148	151	152	152	151	149	151	0	10	08	169	13 52	139	30
9				150	151	153	154	154	153	151	149	142	146	155	148	144	140	141	148	151	152	152	153	152	153	153	153	150	1	10	21	159	13 48	137	22
10				152	152	152	153	153	151	149	152	156	154	149	149	154	166	164	160	154	147	148	152	152	153	153	154	153	0	13	51	169	17 56	145	24
11				152	151	152	153	152	150	150	150	145	146	148	153	157	157	157	156	157	148	151	153	153	154	153	154	152	0	14	30	160	9 08	142	18
12	✓			153	153	153	154	153	150	150	152	150	152	152	157	162	155	146	141	138	139	142	149	151	153	153	152	150	0	12	28	164	16 23	137	27
13	✓			152	152	153	153	153	149	151	148	147	146	150	155	164	174	172	168	163	155	150	151	151	151	151	150	155	0	13	52	176	9 18	145	31
14	✓	✓		151	151	151	152	152	151	155	156	152	159	168	167	160	161	160	156	154	151	150	153	152	152	153	153	155	0	10	52	169	18 00	147	22
15	✓	✓		156	154	153	152	154	152	153	158	149	146	150	151	143	147	153	153	154	149	150	150	150	150	149	148	151	0	7	08	160	12 37	140	20
16				147	147	149	151	152	151	152	156	153	149	156	154	146	141	141	141	150	150	149	149	146	146	147	146	149	0	10	48	161	13 58	135	26
17			✓	145	145	147	147	150	152	150	154	151	155	154	144	147	163	159	156	152	154	154	152	150	149	151	149	151	1	13	11	168	11 58	135	33
18			✓	148	148	150	152	153	154	154	153	150	147	140	136	135	130	138	147	144	144	144	149	149	148	147	149	146	1	6	03	155	13 38	129	26
19				146	147	149	150	153	156	156	160	154	146	141	140	141	143	137	137	142	149	147	148	148	150	149	150	147	0	7	42	160	14 55	135	25
20				149	150	151	152	154	156	158	160	156	154	151	144	140	140	145	147	143	144	147	149	149	147	148	149	149	0	6	48	160	12 28	140	20
21	✓	✓		148	148	149	151	152	154	153	155	151	151	153	148	143	138	134	131	134	144	147	149	150	151	151	152	147	0	7	41	156	15 48	127	29
22	✓			153	152	152	153	155	156	157	163	161	157	153	145	142	135	133	140	140	143	145	149	151	151	149	150	149	0	7	28	165	14 17	129	36
23			✓	150	148	148	150	153	153	155	167	177	176	178	180	179	175	169	154	140	143	150	152	150	148	148	150	158	1	11	40	183	16 28	139	44
24			✓	150	148	148	152	153	155	151	157	164	163	153	140	147	148	146	142	135	138	146	150	150	150	149	150	149	1	8	48	168	16 21	134	34
25			✓	150	150	151	153	153	155	157	167	167	167	156	157	160	158	155	147	146	148	148	148	150	152	150	148	154	1	9	08	171	15 28	144	27
26				149	151	151	152	154	153	152	153	148	146	142	143	140	138	141	137	135	139	145	151	151	152	153	153	147	0	6	58	155	16 18	134	21
27				152	151	153	154	154	154	151	151	147	139	134	137	143	149	155	148	144	145	148	149	151	151	151	150	148	1	14	12	158	10 00	131	27
28				151	151	152	153	156	153	151	158	161	158	153	149	148	154	161	165	159	149	149	152	153	153	153	153	154	0	15	48	167	12 11	147	20
29				151	150	153	154	156	155	154	157	156	156	147	151	152	152	153	152	149	150	148	149	149	149	148	148	152	0	7	38	158	10 38	145	13
30				149	150	151	153	154	155	154	153	144	135	128	120	117	114	120	130	133	137	142	148	149	149	150	149	141	0	7	08	157	13 35	111	46
31	✓	✓		149	151	152	153	154	155	155	161	162	158	153	156	158	154	148	137	134	136	141	147	148	149	149	149	150	0	8	41	164	16 42	133	31
MEANS ALL DAYS				149	149	150	152	153	153	152	156	154	152	150	147	145	144	144	145	145	146	147	150	150	150	150	150	149							29
MEANS TEN DAYS *				150	150	151	152	153	152	152	154	152	150	150	149	146	144	142	142	143	144	146	149	150	150	149	149	149							30
MEANS FIVE DAYS (G. M. T.) †				151	151	151	152	153	153	154	157	154	151	152	151	146	145	146	143	143	145	147 147	150 150	150	150	151	150	150							
MEANS FIVE DAYS (G. M. T.) ‡				149	148	149	151	152	154	153	160	162	162	156	151	154	155	153	149	143	145	148	150	149	149	149	149	152							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 234

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1941 — FEBRUARY 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		151	151	151	153	154	154	154	157	161	155	145	130	116	112	110	114	122	133	139	147	149	149	149	150	142	0	8 41	161	14 10	109	52
2	✓			149	151	151	152	155	156	158	174	180	173	162	157	156	155	154	151	144	143	144	149	150	147	145	145	154	0	8 32	182	16 48	140	42
3				149	149	149	151	154	158	159	169	166	167	164	157	151	143	140	143	144	145	147	149	151	151	152	153	153	1	7 52	173	15 08	139	34
4	✓			153	152	151	153	154	156	160	169	172	170	174	171	166	157	146	141	139	141	144	146	148	148	150	150	155	1	10 22	178	16 08	137	41
5				150	150	151	152	154	154	150	157	167	166	170	169	163	161	162	159	145	145	144	148	152	150	154	153	155	1	10 32	172	16 34	143	29
6				152	150	152	153	157	157	155	157	160	166	170	177	182	178	172	162	156	148	147	148	149	153	153	151	159	1	12 08	183	18 52	146	37
7			✓	149	153	153	152	153	154	151	156	163	165	159	158	157	161	156	145	142	142	147	153	154	154	154	155	154	1	9 13	168	17 08	140	28
8				154	154	154	154	155	155	151	152	152	149	150	154	159	157	158	152	151	152	150	152	153	153	155	155	153	0	12 50	161	10 10	147	14
9				154	151	152	155	155	154	153	160	165	160	158	161	163	159	160	155	145	142	148	152	154	153	153	153	155	0	12 31	165	17 28	141	24
10	✓			153	154	155	156	155	154	152	156	157	155	154	157	159	162	166	165	155	151	150	152	152	153	154	155	156	0	15 13	167	17 08	150	17
11	✓	✓		153	152	154	154	155	153	153	155	150	138	130	131	134	142	169	170	158	150	152	153	152	152	154	154	151	0	14 52	175	11 28	129	46
12	✓	✓		154	154	153	153	154	152	150	154	154	148	150	150	149	154	159	164	160	155	151	150	149	150	149	150	153	0	15 22	166	9 51	146	20
13			✓	149	148	148	149	153	152	152	162	164	173	164	145	140	144	151	151	151	146	149	151	149	146	147	149	151	1	9 41	176	12 15	135	41
14				149	149	150	150	153	153	154	160	160	152	140	130	124	131	145	156	154	148	146	149	148	146	149	149	148	0	7 51	162	12 18	122	40
15				146	⊼							⊼	153	155	156	154	152	155	161	154	152	153	153	151	150	150	151	⊼	1	⊼	⊼	13 41	148	⊼
16				152	152	152	154	154	155	155	156	152	144	136	135	138	141	142	142	141	143	148	151	152	151	150	149	148	0	7 28	157	11 25	133	24
17				150	150	152	152	154	154	158	170	183	174	172	171	160	150	157	162	155	150	150	150	150	150	150	150	157	1	8 40	185	13 30	146	39
18	✓	✓		150	150	151	153	154	154	153	153	151	145	140	136	134	134	134	133	137	140	146	150	151	152	152	151	146	0	4 20	155	15 06	131	24
19	✓			152	152	153	152	154	154	154	157	157	151	145	145	146	157	162	157	150	146	148	150	152	153	152	152	152	0	14 22	163	12 00	143	20
20				153	152	152	154	155	155	154	162	165	178	183	181	178	179	174	157	147	145	149	152	150	149	149	150	159	0	10 44	185	16 44	141	44
21			✓	151	152	153	153	153	153	152	152	149	141	141	143	147	153	154	144	139	143	148	151	149	149	150	148	149	1	14 01	156	16 28	137	19
22			✓	151	152	153	153	153	154	154	156	157	148	143	137	152	155	158	152	150	148	150	151	150	151	150	152	151	1	7 58	161	11 14	130	31
23			✓	150	150	153	152	154	154	154	150	146	144	138	131	127	129	137	138	140	141	144	146	148	148	147	147	144	1	4 38	156	13 01	122	34
24				148	150	151	152	154	154	152	158	157	152	145	141	146	147	148	152	150	148	148	150	150	150	150	151	150	0	7 49	160	11 18	137	23
25				150	152	154	154	157	157	155	153	149	146	149	144	136	131	133	132	133	137	142	148	148	148	148	148	146	0	5 21	157	13 27	129	28
26				150	151	152	154	157	157	157	162	157	152	148	145	144	144	146	145	145	145	148	150	150	150	151	150	150	0	7 24	164	11 58	142	22
27	✓	✓		150	151	154	154	157	157	155	156	155	146	145	136	134	144	145	148	150	148	146	148	149	150	150	150	149	0	5 18	158	11 48	130	28
28	✓			150	151	153	153	156	156	158	167	166	158	150	146	147	148	150	152	157	153	149	150	150	151	150	153	153	0	7 48	169	11 27	144	25
29																																		
30																																		
31																																		
MEANS 27 DAYS				151	151	152	153	155	155	154	159	160	156	153	150	148	149	151	150	147	145	147	150	150	150	151	151	152						31
MEANS TEN DAYS ✲				152	152	153	153	155	155	155	160	160	154	150	146	144	146	150	150	147	146	147	150	150	150	150	151	151						32
MEANS FIVE DAYS † (G. M. T.)				152	152	153	153	155	154	153	155	154	147	142	137	133	137	143	146	145	145	148 150 / 147 150		150	151	152	152	148						
MEANS FIVE DAYS ‡ (G. M. T.)				150	151	152	152	153	153	153	155	156	154	149	143	145	148	151	146	144	144	148	150	149	150	150	150	150						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-seven days only, omitting incomplete day February 15.

TABLE 235

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1941 — MARCH 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	144	130	129	129	131	160	164	183	162	145	157	136	92	165	167	137	125	140	151	155	151	149	148	147	146	2	13	42	198	12 07	76	122
2				144	146	143	143	145	145	154	166	170	166	155	140	133	132	135	132	129	126	131	132	132	135	137	140	142	1	8	18	170	17 08	124	46
3				140	139	139	140	141	141	141	142	137	135	136	131	125	126	127	130	130	134	141	141	144	146	148	152	138	1	23	52	153	12 44	121	32
4				149	148	152	152	152	154	151	154	151	144	148	152	152	151	149	138	134	138	142	146	148	148	147	148	148	1	5	08	156	16 28	131	25
5				149	150	150	151	151	152	151	151	157	150	154	150	145	141	141	142	141	142	143	146	146	146	148	149	148	0	8	28	160	13 57	137	23
6				149	148	150	150	150	152	153	147	142	136	131	126	120	124	127	125	127	132	141	143	145	145	145	145	140	0	6	02	154	12 31	118	36
7				145	146	147	149	150	150	151	156	152	145	146	148	150	153	149	146	142	141	143	144	146	146	147	147	147	0	13	38	159	17 54	137	22
8	✓			147	148	149	152	151	151	151	152	150	144	142	142	148	151	150	144	140	140	143	146	149	147	149	148	147	0	6	40	154	17 34	139	15
9				149	150	150	151	153	153	150	143	136	128	124	123	126	129	132	132	133	137	142	145	146	146	146	146	140	0	4	38	154	11 20	122	32
10	✓	✓		149	149	150	151	151	153	151	144	134	129	133	135	132	129	124	125	132	135	140	141	144	145	146	147	140	0	6	08	154	14 48	122	32
11				148	147	148	150	150	150	145	138	133	125	124	127	128	130	128	133	136	137	146	147	148	147	148	147	140	0	5	26	151	9 58	122	29
12	✓			147	149	149	150	151	151	148	146	144	145	153	160	160	156	154	155	155	146	146	146	149	146	146	146	150	0	12	22	161	9 13	141	20
13				146	146	147	149	150	150	144	141	137	130	126	128	133	132	138	148	149	147	149	145	143	143	147	147	142	0	4	48	151	10 41	123	28
14			✓	146	145	149	150	150	153	154	154	155	147	136	129	118	115	121	133	141	143	144	146	149	149	149	148	143	1	8	10	159	13 28	113	46
15				149	150	151	152	153	152	151	150	147	139	135	133	128	133	135	137	142	144	146	146	147	147	149	150	144	0	3	28	155	12 46	125	30
16	✓	✓		150	150	150	152	153	154	151	151	150	146	145	139	132	122	122	133	141	144	145	146	146	146	147	147	144	0	5	18	155	13 28	120	35
17	✓	✓		147	150	150	153	154	154	156	158	154	147	142	142	142	140	133	134	142	145	146	146	146	147	147	147	147	0	7	28	159	14 51	130	29
18	✓			147	149	151	151	153	154	153	151	149	142	141	137	132	125	117	116	124	133	141	145	145	146	149	149	142	0	6	18	155	14 58	114	41
19				149	147	149	150	151	151	151	154	169	169	177	160	144	137	127	123	131	137	143	145	146	146	146	146	148	1	9	52	182	15 18	122	60
20				146	148	148	150	151	153	155	157	161	159	159	159	158	148	139	137	140	141	144	148	146	149	149	149	150	1	8	28	165	14 52	135	30
21				150	151	151	151	151	153	152	149	143	136	131	130	130	124	114	121	132	138	144	145	145	148	145	145	141	1	5	28	154	14 23	111	43
22				147	148	149	150	149	153	153	154	155	148	140	135	135	135	139	138	145	148	147	146	147	148	147	147	146	1	8	08	157	11 30	133	24
23				148	149	149	151	152	152	152	142	138	135	135	134	133	137	135	134	135	139	146	147	147	147	148	147	143	0	5	08	153	12 17	130	23
24	✓			149	150	151	151	152	153	152	147	140	132	125	125	123	121	121	124	129	137	143	144	144	145	147	148	140	0	6	08	154	14 06	120	34
25	✓			148	148	148	150	152	152	148	144	139	132	126	129	131	135	142	142	143	145	148	148	147	147	148	148	143	0	4	38	153	10 31	125	28
26	✓	✓		148	151	153	149	153	153	153	149	141	127	113	111	116	128	131	132	135	139	144	145	146	147	148	148	140	0	6	10	154	11 08	108	46
27	✓	✓		149	149	150	151	152	152	148	142	135	128	126	131	141	147	152	150	149	150	148	147	144	146	149	149	145	0	5	08	153	10 04	124	29
28			✓	149	151	152	152	154	152	152	144	133	121	115	121	116	126	119	119	126	140	145	145	146	148	149	149	138	1	4	37	157	10 08	111	46
29				150	150	151	153	154	154	158	160	153	149	148	144	138	133	137	136	139	142	147	148	147	147	148	148	147	1	7	20	162	13 31	130	32
30			✓	149	150	152	154	153	153	151	151	151	149	146	141	136	138	146	143	146	148	152	153	147	152	153	152	149	1	3	25	157	12 00	130	27
31			✓	158	157	156	158	162	159	162	165	160	149	141	133	128	125	127	133	142	148	150	151	152	153	152	153	149	1	7	09	168	13 12	123	45
MEANS ALL DAYS				148	148	149	150	151	152	152	151	148	141	139	136	133	135	135	135	137	141	145	146	146	147	147	148	144							36
MEANS TEN DAYS ✱				148	149	150	151	152	153	151	148	144	137	135	135	136	135	135	136	139	141	144	145	146	146	148	148	144							31
MEANS FIVE DAYS † (G. M. T.)				149	150	151	151	153	153	152	149	143	135	132	132	133	133	132	135	140	143	145 145	146 145	146	147	148	148	143							
MEANS FIVE DAYS ‡ (G. M. T.)				149	147	148	149	150	155	157	159	152	142	139	132	118	134	136	133	136	144	148	149	146	148	149	150	145							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 236

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1941 — APRIL 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			154	155	155	156	157	157	156	153	149	145	143	144	142	137	135	139	142	147	149	149	149	152	151	152	149	0	5 40	158	14 18	134	24
2				153	154	155	156	155	155	154	152	148	147	150	162	156	144	138	138	143	147	150	152	153	153	152	151	151	0	11 48	163	15 08	137	26
3				153	154	154	155	156	156	153	144	134	124	124	137	149	153	146	145	146	147	150	152	152	153	153	153	148	0	4 28	156	10 01	121	35
4	✓			154	154	154	155	156	156	154	144	134	125	121	127	129	133	139	140	149	152	152	153	153	153	153	153	146	0	4 14	157	10 08	120	37
5	✓			154	154	154	154	155	156	155	149	143	134	126	125	124	119	120	125	133	143	147	149	150	149	150	152	142	0	5 48	157	13 28	117	40
6				154	152	153	154	154	154	150	146	143	140	139	141	147	151	151	154	151	152	152	151	151	151	150	151	150	0	0 02	156	10 53	137	19
7			✓	152	153	153	155	155	156	157	157	156	148	140	137	138	135	134	132	135	141	147	150	151	151	150	150	147	1	8 05	159	15 41	129	30
8				151	153	153	153	154	155	158	157	156	153	146	146	153	155	153	150	148	147	148	150	152	152	150	149	152	1	6 36	159	10 58	144	15
9				150	153	154	154	155	155	155	149	140	138	136	138	148	150	145	134	136	141	146	148	149	150	150	150	147	1	5 55	158	15 41	132	26
10			✓	151	151	152	153	154	154	149	144	140	132	120	122	136	146	159	157	153	153	154	155	154	154	151	154	148	1	14 18	160	10 38	116	44
11				154	155	155	155	155	155	155	151	145	132	120	120	126	129	130	137	145	148	150	150	150	151	150	148	144	1	2 06	158	11 03	116	42
12				152	153	152	155	155	157	152	143	133	124	116	116	129	144	153	154	153	153	150	149	151	151	151	152	146	0	4 49	158	11 08	114	44
13	✓			153	155	155	156	156	156	153	141	132	127	126	122	126	131	142	153	158	155	152	150	152	152	151	152	146	0	16 25	160	11 28	121	39
14	✓	✓		153	154	154	154	154	154	155	152	145	137	132	127	130	135	140	140	143	149	150	151	151	153	151	152	146	0	6 28	156	11 38	126	30
15	✓			154	154	155	155	156	156	157	155	143	132	126	122	125	131	139	142	148	150	151	150	150	153	153	152	146	0	6 48	158	11 28	121	37
16				153	153	154	155	154	153	156	157	151	148	141	136	140	144	141	142	144	148	151	150	151	151	150	151	149	0	7 30	160	11 45	135	25
17				151	152	151	153	153	154	155	157	153	151	146	144	143	146	145	144	146	150	151	149	151	153	154	152	150	0	7 20	159	15 08	142	17
18				153	154	154	155	155	155	156	155	156	153	149	147	148	148	138	131	135	143	149	150	152	151	150	150	149	1	6 38	158	15 35	129	29
19			✓	150	148	151	156	153	156	159	164	160	155	149	148	148	150	145	145	143	148	150	150	153	151	153	154	152	1	7 36	165	16 03	140	25
20				154	154	155	156	155	156	153	149	143	138	136	132	136	139	145	145	146	148	150	151	152	152	152	152	148	0	3 01	157	11 08	131	26
21				152	153	155	155	156	156	156	156	152	146	142	139	139	141	145	148	147	149	150	151	152	152	153	154	150	0	7 06	157	11 38	138	19
22	✓	✓		155	154	155	157	157	157	155	151	144	135	130	135	141	148	150	145	140	145	149	150	151	152	153	153	148	0	5 48	158	10 28	128	30
23	✓	✓		154	155	155	156	156	156	155	153	150	145	143	145	146	145	145	150	153	153	152	153	153	153	154	154	151	0	5 28	157	10 10	142	15
24			✓	154	155	157	157	163	158	159	155	143	131	132	131	132	139	141	140	149	149	153	153	154	152	156	156	149	1	4 18	164	9 20	126	38
25			✓	156	155	156	157	158	158	160	164	163	154	140	139	140	139	140	150	146	147	148	150	153	153	153	156	151	1	7 24	167	10 38	136	31
26				154	154	155	155	158	155	155	157	155	150	146	143	145	145	147	149	150	151	153	155	156	157	156	156	152	0	4 34	160	11 08	142	18
27	✓	✓		156	156	157	156	157	158	156	151	146	138	128	125	125	128	135	142	148	151	151	151	153	153	151	151	147	0	5 38	159	12 00	123	36
28				155	157	156	157	158	159	160	165	160	151	145	144	141	141	142	144	148	152	154	152	151	155	155	158	152	1	7 31	166	13 00	139	27
29				157	158	160	158	157	157	159	159	155	149	146	143	141	141	143	148	150	150	150	151	153	154	155	155	152	0	2 23	161	13 18	140	21
30	✓	✓		155	156	157	157	157	157	155	150	146	142	139	139	136	136	145	153	157	155	153	153	153	154	155	155	151	0	5 08	158	13 12	133	25
31																																		
MEANS ALL DAYS				153	154	155	155	156	156	155	153	147	141	136	136	139	141	142	144	146	149	150	151	152	152	152	153	149						29
MEANS TEN DAYS ✱				154	155	155	156	156	156	155	150	143	136	131	131	132	134	139	143	147	150	151	151	152	152	152	153	147						31
MEANS FIVE DAYS † (G. M. T.)				155	155	156	156	156	156	155	151	146	139	134	134	136	138	143	146	148	151	151 151 151 152		153	153	154	154	149						
MEANS FIVE DAYS ‡ (G. M. T.)				153	152	154	156	157	156	157	157	152	144	136	135	139	142	144	145	145	148	150	151	152	151	152	152	149						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 237

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1941 — MAY 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				156	155	156	156	156	155	159	164	166	160	145	137	128	124	130	138	146	152	151	153	153	153	153	152	150	0	9	01	166	13 38	123	43
2	✓	✓		155	156	156	156	156	156	157	157	155	152	150	141	137	142	147	151	153	153	152	153	156	156	156	156	152	0	6	48	158	12 11	133	25
3	✓	✓		155	157	157	158	158	159	161	163	163	162	160	153	148	140	142	147	148	150	150	153	154	155	156	155	154	0	8	51	164	13 38	139	25
4				153	155	152	157	159	158	158	161	159	155	150	148	141	143	150	150	148	149	152	153	155	155	156	156	153	1	7	41	162	12 22	140	22
5	✓	✓		156	157	157	157	159	158	159	159	155	150	147	145	147	147	148	145	144	149	151	152	155	155	156	156	153	0	4	38	160	15 58	142	18
6				157	157	157	156	157	156	160	164	160	151	146	143	140	135	142	150	151	151	151	152	154	154	153	154	152	0	7	21	166	13 18	132	34
7	✓			155	156	157	157	157	157	159	161	161	160	159	159	158	151	146	151	153	152	152	152	154	156	156	157	156	0	7	58	161	14 23	143	18
8				157	158	158	158	159	159	160	156	149	140	138	139	145	149	147	150	151	151	152	152	153	153	153	153	152	0	6	16	160	10 28	137	23
9				155	154	153	155	156	157	160	160	157	150	142	141	142	148	145	141	147	151	152	153	153	155	157	157	152	0	6	38	162	15 08	140	22
10				157	157	157	157	158	159	160	159	159	155	148	144	144	147	143	140	142	148	150	152	153	156	156	156	152	0	6	18	160	15 18	138	22
11	✓			157	157	158	158	158	159	159	160	154	139	132	130	129	131	138	142	144	149	150	151	153	153	154	156	149	0	7	28	161	12 38	128	33
12				155	156	157	158	158	158	158	152	148	139	132	130	132	129	132	139	143	149	151	152	153	154	154	156	148	0	6	08	159	13 18	129	30
13				154	155	157	157	158	158	160	163	158	151	145	142	142	142	146	148	148	151	150	152	153	154	154	155	152	0	6	58	166	12 41	140	26
14	✓			156	156	157	157	157	157	160	162	156	147	141	136	138	136	134	139	146	149	148	148	152	153	153	153	150	0	7	08	165	14 50	132	33
15	✓			153	153	154	154	156	157	159	160	156	149	148	143	140	137	138	144	145	148	151	151	152	154	154	153	150	0	7	01	162	13 52	135	27
16				153	153	155	156	156	157	159	161	152	150	156	160	161	156	156	156	156	153	153	154	154	154	154	153	155	0	12	12	164	9 28	150	14
17			✓	151	150	154	155	155	155	159	160	157	159	154	150	147	146	142	139	140	147	152	154	155	155	155	155	152	1	7	14	163	15 25	137	26
18				155	155	156	156	157	158	158	159	160	158	157	156	151	144	135	132	138	147	152	153	153	154	153	153	152	0	8	06	162	15 21	129	33
19	✓	✓		154	154	155	155	155	156	157	155	155	153	154	150	141	137	132	132	137	145	149	150	151	152	152	152	149	0	6	21	158	14 58	129	29
20	✓	✓		152	153	153	154	154	155	154	150	143	136	139	146	151	156	155	151	149	152	153	154	156	155	155	155	151	0	13	39	159	9 33	135	24
21			✓	154	155	154	154	155	155	155	150	141	136	135	136	133	134	143	138	139	145	151	151	153	150	150	151	147	1	5	28	156	12 18	130	26
22			✓	155	157	156	156	157	158	157	157	154	146	144	137	138	141	136	135	141	146	149	151	151	153	153	155	149	1	5	33	160	15 28	133	27
23			✓	154	156	154	155	156	155	158	155	153	146	144	143	141	141	139	140	142	146	150	154	153	155	157	157	150	1	6	29	159	14 48	136	23
24			✓	155	155	158	156	158	159	160	158	151	144	141	141	141	138	133	140	144	151	150	151	156	156	158	158	150	1	6	48	161	14 08	132	29
25				158	157	157	158	158	156	159	159	158	154	150	143	136	126	124	130	139	146	152	152	154	155	155	156	150	0	7	08	159	14 08	123	36
26				157	156	154	153	155	156	157	158	155	149	141	138	141	143	134	136	140	146	149	152	153	154	154	155	149	0	7	18	159	14 53	133	26
27	✓			154	155	156	156	156	156	157	157	154	154	159	159	159	157	143	138	141	148	151	152	154	156	156	156	154	0	10	53	162	15 12	138	24
28				156	157	154	156	156	156	157	156	150	146	142	142	149	152	144	143	147	149	152	154	156	157	156	156	152	0	6	44	158	10 48	139	19
29				154	156	156	157	156	157	159	161	161	161	161	157	148	139	136	135	136	143	150	151	153	154	154	153	152	0	10	08	162	15 18	133	29
30				155	155	156	156	156	157	158	157	155	153	156	164	162	157	152	148	150	151	149	151	151	151	152	155	154	0	11	48	165	15 21	148	17
31				156	156	155	155	156	156	157	156	150	148	146	146	145	148	147	146	146	150	152	152	154	154	154	152	152	0	6	58	159	12 18	144	15
MEANS ALL DAYS				155	155	156	156	157	157	158	158	155	150	147	145	144	142	141	142	145	149	151	152	154	154	154	155	151							26
MEANS TEN DAYS *				155	155	156	156	157	157	158	158	155	150	149	146	145	143	142	144	146	150	151	152	154	154	155	155	152							26
MEANS FIVE DAYS (G. M. T.) †				154	155	156	156	156	157	158	157	154	151	150	147	145	144	145	145	146	150	151 151	152 152	154	154	154	154	152							
MEANS FIVE DAYS (G. M. T.) ‡				154	155	155	155	156	156	158	156	151	146	144	141	140	140	139	138	141	147	150	153	153	153	154	154	150							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 238

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1941 JUNE 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				152	155	156	156	156	156	156	155	152	147	146	149	149	149	145	147	145	147	151	151	153	154	152	153	151	0	6 51	157	16 18	143	14
2	✓	✓		153	153	154	155	155	155	158	158	158	155	148	141	141	144	143	138	139	146	149	152	152	153	153	153	150	0	8 48	160	15 38	137	23
3	✓	✓		155	155	155	155	155	155	159	157	154	153	151	151	154	155	147	142	138	144	149	150	151	152	154	154	152	0	6 48	161	16 08	137	24
4	✓	✓		154	154	154	155	156	156	160	152	144	137	133	133	142	140	143	145	147	149	150	152	153	153	154	154	149	0	6 32	162	10 58	130	32
5	✓	✓		154	153	153	154	155	155	158	157	151	147	144	144	136	129	121	130	138	144	147	149	151	152	152	152	147	0	7 00	159	14 31	119	40
6				153	153	155	155	155	156	157	156	145	145	146	150	152	146	135	131	133	142	147	149	149	151	151	152	148	0	6 58	160	16 02	129	31
7	✓			152	152	153	153	153	153	152	153	156	153	153	153	161	161	151	148	148	148	148	149	151	152	152	152	152	0	12 58	164	16 28	146	18
8	✓			152	152	153	153	153	153	154	154	151	144	141	146	151	154	146	140	138	142	145	148	150	150	150	151	149	0	13 18	155	16 08	137	18
9				152	152	153	153	157	155	155	152	147	145	143	141	144	144	148	148	143	144	145	147	147	149	149	149	148	0	4 18	160	11 08	140	20
10			✓	148	147	146	148	152	152	151	149	144	137	130	132	142	143	139	138	137	140	144	149	149	149	150	151	144	1	5 22	153	10 51	125	28
11			✓	150	151	151	151	149	149	150	147	139	130	125	127	132	127	127	134	142	145	146	146	146	147	147	148	142	1	1 03	154	10 18	121	33
12				147	148	148	151	150	151	152	149	142	133	125	123	126	128	133	142	147	146	145	147	147	147	150	150	143	1	6 38	152	11 18	121	31
13			✓	149	148	152	148	148	149	153	158	154	142	132	125	120	122	129	134	138	143	144	146	147	146	151	153	143	1	7 41	161	12 35	119	42
14			✓	151	152	153	153	153	153	154	152	143	135	132	134	135	136	139	141	144	143	144	147	148	148	148	151	145	1	6 18	157	10 28	130	27
15			✓	153	151	152	154	155	152	154	157	152	142	136	131	129	133	138	139	139	141	145	147	148	149	149	150	146	1	4 06	159	12 13	127	32
16	✓	✓		149	149	149	150	149	150	151	154	151	145	141	141	144	145	141	137	138	141	144	145	148	149	149	148	146	0	7 25	155	15 58	137	18
17				148	149	150	150	150	151	152	148	140	132	128	128	136	142	135	136	141	143	145	145	148	151	149	150	144	1	6 18	153	10 57	125	28
18				151	153	151	150	150	150	152	145	136	133	137	142	144	144	145	140	140	144	145	146	147	148	149	149	145	1	6 18	154	9 28	131	23
19				149	150	150	150	150	151	152	148	141	136	136	137	139	138	132	130	134	144	146	147	150	150	149	149	144	0	6 33	153	15 38	129	24
20				148	151	146	148	149	150	151	148	139	131	132	136	145	146	141	137	134	139	141	144	148	149	148	148	144	1	1 22	158	9 25	129	29
21				147	147	145	148	149	149	150	152	150	147	144	144	140	132	130	143	149	149	147	147	148	149	149	149	146	0	7 38	153	13 58	128	25
22				149	149	149	150	152	150	150	147	141	137	136	135	132	126	127	134	136	143	146	146	148	148	148	148	143	0	4 31	153	13 48	124	29
23	✓			148	148	148	148	148	148	149	144	140	136	136	131	135	139	137	137	141	144	144	148	149	149	149	149	144	0	6 28	151	11 14	131	20
24				149	149	149	149	150	151	149	145	140	135	135	135	133	130	127	129	136	144	145	149	150	149	150	150	143	0	5 28	152	14 38	126	26
25	✓			150	150	149	150	149	149	151	153	150	143	142	145	143	141	137	141	148	148	146	146	149	150	150	150	147	0	7 48	154	14 38	136	18
26				151	150	151	151	151	151	152	150	144	138	137	139	139	136	136	137	140	142	145	148	149	150	150	150	145	0	7 07	153	14 08	134	19
27				148	150	152	153	155	152	152	150	145	141	135	129	124	121	124	129	137	143	143	146	147	148	149	150	143	1	6 51	153	13 35	120	33
28				148	149	150	150	151	150	151	151	147	142	141	141	134	124	126	134	143	147	146	147	148	150	152	152	145	0	7 00	152	13 58	121	31
29				153	153	152	152	153	153	156	151	144	140	133	135	133	113	115	125	132	143	148	152	153	153	153	154	144	0	6 51	157	13 48	107	50
30	✓			154	154	155	155	156	154	153	152	148	144	139	141	144	144	144	142	143	147	150	151	153	153	154	153	149	0	5 33	156	10 18	138	18
31																																		
MEANS ALL DAYS				151	151	151	152	152	152	153	151	146	141	138	138	139	138	136	138	140	144	146	148	149	150	150	151	146						27
MEANS TEN DAYS *				152	152	152	153	153	153	154	153	150	146	143	143	145	145	141	140	142	145	147	149	151	151	152	152	149						23
MEANS FIVE DAYS † (G. M. T.)				153	153	153	154	154	154	157	156	152	147	143	142	143	143	139	138	140	145	149 148	150 150	151	152	152	153	149						
MEANS FIVE DAYS ‡ (G. M. T.)				150	150	151	151	151	151	152	153	146	137	131	130	132	132	134	137	140	142	145	147	148	148	150	151	144						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
{ } = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 239

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1941 — JULY 1941

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				152	153	154	154	154	155	157	160	162	162	157	151	148	148	137	133	140	147	148	152	152	153	152	153	151	0	9 08	164	15 28	131	33
2	✓			152	153	153	154	153	154	156	157	154	152	148	156	166	168	158	151	151	151	151	152	152	153	153	153	154	0	13 00	171	10 18	144	27
3				153	154	155	156	156	156	156	156	153	147	143	138	142	141	141	143	146	151	153	153	153	153	156	156	150	0	22 47	161	11 41	134	27
4			✓	152	152	153	156	156	157	158	158	154	147	142	135	137	133	132	139	148	152	152	151	152	148	151	156	149	0	7 18	160	14 04	129	31
5			✓	157	148	152	163	159	162	178	186	200	199	224	191	174	170	159	151	157	159	158	160	159	159	159	160	168	2	10 15	228	1 38	144	84
6			✓	159	159	157	156	158	159	160	159	155	152	152	155	152	152	146	147	150	150	153	151	149	153	154	153	154	1	6 18	161	14 21	145	16
7			✓	154	159	160	160	158	157	160	163	164	164	159	154	145	133	127	130	139	146	150	151	154	154	154	154	152	1	9 10	165	14 26	125	40
8				155	155	154	154	155	156	154	151	148	139	135	131	135	132	127	131	139	146	150	153	154	155	155	155	147	1	5 48	157	14 23	125	32
9				155	155	156	156	156	156	156	156	153	152	155	154	154	153	154	150	148	151	153	155	157	158	158	158	155	1	22 14	159	16 19	145	14
10				156	156	158	159	158	158	158	161	165	164	161	153	142	132	125	128	135	149	155	154	155	154	154	154	152	0	8 46	167	14 48	123	44
11				155	153	153	152	154	155	158	164	164	162	155	155	148	131	129	138	144	146	149	153	154	155	156	156	152	0	7 53	166	14 09	127	39
12				156	157	155	156	157	157	158	158	163	163	164	162	153	143	139	144	148	152	153	154	156	157	156	157	155	0	8 58	167	14 28	139	28
13	✓	✓		157	157	157	157	157	157	156	155	154	149	145	143	144	143	144	143	148	153	154	155	156	157	156	156	152	0	5 08	158	15 03	140	18
14	✓	✓		156	157	156	157	157	157	158	163	162	157	159	159	148	133	121	130	140	150	153	153	155	155	155	155	152	0	8 11	163	14 35	120	43
15	✓			155	156	156	157	158	158	158	154	151	150	149	149	148	151	149	145	147	150	153	153	155	157	154	157	153	0	6 21	161	15 38	144	17
16				157	158	158	158	158	158	158	159	156	153	149	147	149	148	141	141	144	151	153	155	156	157	157	157	153	0	7 11	160	14 58	138	22
17				156	155	157	157	156	156	156	154	152	151	146	143	140	135	138	144	151	153	153	154	154	155	156	156	151	0	3 18	158	13 23	135	23
18	✓			156	156	156	157	157	156	157	152	142	135	132	137	134	124	125	133	141	147	151	153	153	152	152	153	146	0	4 52	157	13 43	122	35
19				155	154	154	155	155	155	156	158	153	149	147	146	138	139	136	136	147	155	153	154	155	155	155	155	151	0	7 19	160	14 58	133	27
20				155	155	155	156	155	156	158	151	138	126	117	117	124	132	141	141	146	149	151	151	152	153	152	153	145	0	6 33	160	11 19	114	46
21			✓	151	148	150	152	153	155	157	156	148	139	129	128	131	129	132	141	152	155	153	153	153	152	152	153	147	1	6 42	160	13 45	126	34
22				153	153	155	155	156	157	159	155	144	134	132	136	144	142	136	142	145	148	149	150	153	153	154	153	148	0	6 46	161	9 51	130	31
23				154	153	153	154	155	156	159	161	159	154	148	144	141	129	128	136	139	144	149	152	154	154	154	154	149	0	7 52	162	14 01	125	37
24				156	154	155	157	158	157	156	154	153	138	137	137	127	120	118	121	131	143	149	150	153	153	153	154	145	0	4 31	159	14 08	114	45
25				154	153	153	152	153	153	152	153	154	149	147	150	159	159	153	149	150	153	152	153	153	153	153	153	153	0	13 14	161	9 55	145	16
26	✓	✓		153	154	154	154	154	155	157	154	147	141	136	136	135	129	127	131	138	143	148	150	152	153	152	152	146	0	6 51	158	14 48	125	33
27	✓	✓		153	153	153	153	154	154	154	153	147	135	129	130	131	136	147	153	153	150	149	149	149	150	151	151	147	0	15 58	155	10 58	127	28
28	✓			152	152	152	153	153	154	154	152	153	147	138	129	128	121	116	125	131	142	147	150	151	151	152	152	144	0	5 51	154	14 08	111	43
29	✓	✓		153	154	154	155	155	155	154	151	145	133	133	129	128	120	129	138	144	147	149	150	151	150	152	152	145	0	5 08	156	13 35	118	38
30	✓			153	153	154	155	154	154	155	156	150	144	143	143	147	134	127	133	141	147	149	151	152	152	152	152	148	0	7 20	157	14 13	125	32
31				152	153	153	155	155	155	156	155	151	145	136	131	126	126	126	128	133	140	146	147	151	152	151	152	145	0	5 59	156	14 54	124	32
MEANS ALL DAYS				154	154	155	156	156	156	157	157	155	149	147	144	143	138	136	139	144	149	151	152	153	154	154	154	150						33
MEANS TEN DAYS *				154	154	154	155	155	155	156	155	150	144	141	141	141	136	134	138	143	148	150	152	153	153	153	153	149						31
MEANS FIVE DAYS (G. M. T.) †				154	155	155	155	155	156	156	155	151	143	140	139	137	132	134	139	145	149	151 151	152 151	154	154	154	154	149						
MEANS FIVE DAYS (G. M. T.) ‡				155	153	154	157	157	158	163	164	164	160	161	153	148	143	139	142	149	152	153	153	153	153	154	156	154						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Ⓧ = NO RECORD

TABLE 240

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1941

AUGUST 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				152	152	153	153	155	155	156	159	155	155	154	151	152	154	147	145	148	151	152	153	155	156	154	153	153	0	7	18	15	18	17
2			✓	155	155	152	154	154	159	161	160	153	139	137	135	129	131	137	145	145	147	151	154	154	155	156	156	149	1	7	05	12	36	37
3				155	155	154	156	157	157	157	152	146	141	132	130	132	138	141	147	146	149	151	151	153	154	154	156	148	0	0	52	10	56	33
4			✓	147	152	158	159	155	156	163	172	170	153	142	134	136	129	122	127	131	143	152	154	148	154	158	158	149	2	7	24	14	23	59
5				157	157	157	156	155	155	158	160	158	157	157	160	158	156	152	147	142	143	148	152	153	153	154	155	154	1	11	40	16	52	21
6				155	157	154	157	157	158	157	151	139	129	122	126	123	122	130	135	138	148	146	146	151	153	155	156	144	0	1	41	12	52	41
7				154	155	156	157	156	156	156	152	145	139	138	141	137	136	131	130	136	144	148	149	151	152	152	153	147	0	6	20	15	02	29
8	✓			154	154	154	155	155	156	159	163	164	159	155	152	143	137	140	143	149	153	152	152	152	153	153	153	152	0	8	28	13	22	28
9	✓	✓		154	155	155	155	156	156	156	156	155	157	146	140	139	138	141	142	143	146	150	150	152	152	153	153	150	0	6	48	13	15	21
10	✓	✓		154	154	154	155	156	157	158	159	156	145	134	127	125	130	135	139	146	149	149	150	151	153	153	153	148	0	7	06	12	18	36
11	✓			153	152	154	155	154	154	156	158	158	158	154	152	156	152	149	148	148	147	150	151	151	151	152	152	153	0	8	41	17	18	14
12				152	153	154	154	155	154	155	156	157	157	154	148	148	145	140	139	140	145	149	151	153	154	153	153	151	0	8	58	15	48	19
13				154	153	153	154	154	154	154	153	150	147	145	140	142	129	124	126	134	143	147	150	151	152	153	152	146	0	4	42	13	58	33
14				151	152	153	154	154	155	155	151	147	140	135	136	134	129	129	134	141	145	148	149	149	151	152	152	146	0	6	08	13	53	31
15	✓			152	152	153	153	153	154	154	154	154	154	155	158	158	155	154	153	152	149	150	150	152	152	152	152	153	0	11	53	17	48	12
16	✓	✓		151	151	152	152	152	152	152	149	146	140	138	138	139	139	139	139	140	145	149	149	149	150	152	152	146	0	5	38	10	58	16
17	✓	✓		153	153	153	153	153	154	157	163	166	159	152	147	138	134	134	137	142	145	148	149	151	151	152	152	150	0	8	18	13	58	36
18				153	153	153	153	153	153	153	153	149	145	137	138	139	135	136	138	142	145	148	148	150	148	148	152	147	0	7	08	13	33	20
19				152	153	154	154	154	154	156	155	144	134	123	115	120	122	124	126	133	140	147	148	148	149	150	150	142	1	6	11	11	18	44
20	✓			150	153	153	154	154	154	155	159	162	167	172	170	173	173	163	154	149	145	147	148	150	151	152	151	157	0	13	14	17	44	30
21				151	152	153	156	157	158	155	148	136	123	121	122	126	127	131	138	147	148	148	148	148	150	151	151	144	0	6	03	10	21	41
22	✓			151	152	152	153	154	154	154	152	149	147	142	136	128	133	138	140	142	144	147	149	150	151	151	151	147	0	6	35	12	38	29
23	✓	✓		152	154	155	155	155	156	154	150	145	141	137	137	136	136	137	139	141	145	146	147	150	150	151	151	147	0	5	40	14	08	24
24				152	151	151	153	156	156	154	150	143	135	131	128	131	135	142	149	147	147	148	148	149	150	150	150	146	0	6	02	11	53	30
25				151	151	152	154	155	155	155	154	154	150	147	146	144	141	144	144	144	146	147	146	147	148	149	149	149	0	6	06	13	06	17
26			✓	151	150	152	154	154	154	159	167	164	148	139	134	132	127	126	130	140	146	147	148	147	148	147	148	146	1	8	00	13	53	47
27			✓	149	148	150	149	152	157	164	168	166	152	135	119	108	108	108	124	138	142	146	147	150	150	149	148	143	1	7	56	14	09	69
28				148	149	150	149	150	152	159	161	157	149	132	112	94	85	90	108	127	139	142	144	146	147	148	146	137	1	6	58	13	32	81
29			✓	146	148	149	149	150	151	151	151	151	152	144	135	128	130	131	133	138	145	145	141	145	148	150	148	144	0	9	39	12	52	30
30				148	149	150	151	152	151	151	152	146	139	137	143	151	144	137	137	139	142	144	146	147	147	149	148	146	0	12	40	10	28	20
31				148	148	148	150	151	152	151	149	146	142	136	133	138	137	137	133	136	142	144	146	147	148	148	148	144	0	5	18	15	33	21
MEANS ALL DAYS				152	152	153	154	154	155	156	156	153	147	141	138	137	135	135	138	141	145	148	149	150	151	152	152	148						32
MEANS TEN DAYS *				152	153	154	154	154	155	156	156	156	153	148	146	144	143	143	143	145	147	149	150	151	151	152	152	150						25
MEANS FIVE DAYS † (G. M. T.)				153	153	154	154	154	155	155	155	154	148	141	138	135	135	137	139	142	146	150 148	150 149	151	152	152	152	148						
MEANS FIVE DAYS ‡ (G. M. T.)				150	151	152	153	153	155	160	164	161	149	139	131	127	125	125	132	138	145	148	148	150	151	150	150	146						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL DUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 241

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1941

SEPTEMBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				148	150	149	150	151	151	152	150	143	129	118	113	106	110	115	120	127	138	141	142	144	146	147	147	137	0	6 30	153	12 42	104	49
2				148	148	148	148	148	148	148	147	146	140	135	136	138	142	135	128	133	140	142	143	145	147	148	148	143	0	2 05	151	15 18	127	24
3	✓			149	149	150	150	150	151	153	153	147	138	131	124	122	118	118	122	131	138	142	144	146	147	147	148	140	0	7 13	155	14 35	115	40
4	✓	✓		148	148	149	149	149	151	151	148	142	132	129	129	133	137	134	131	133	139	143	144	146	146	146	148	142	0	6 06	151	10 35	128	23
5	✓	✓		148	149	149	149	150	150	149	146	143	142	137	133	133	134	132	130	132	138	142	146	146	146	146	148	142	0	4 52	151	15 48	130	21
6	✓	✓		148	148	149	149	151	152	153	152	146	142	138	136	134	129	124	128	133	139	142	143	144	144	145	146	142	0	6 38	153	14 18	124	29
7				146	146	147	148	150	151	152	152	147	140	141	138	142	143	148	144	146	148	149	148	146	146	147	147	146	1	7 31	153	9 17	134	19
8	✓			149	149	149	149	151	153	153	153	148	140	133	132	134	141	142	140	138	141	144	146	147	147	147	147	145	0	5 37	156	10 58	132	24
9				148	148	149	150	151	153	153	151	147	146	141	139	147	153	148	143	139	141	143	143	145	146	147	145	146	0	5 38	154	11 11	137	17
10	✓			147	148	148	149	151	151	152	152	146	139	131	132	142	148	146	145	141	142	145	147	147	147	147	148	145	0	7 26	153	10 41	128	25
11	✓			149	149	149	150	151	151	151	152	154	153	151	148	141	138	138	134	139	142	144	144	144	146	146	147	146	0	8 15	156	15 28	134	22
12	✓	✓		148	148	149	149	150	150	153	156	153	147	141	137	140	140	135	134	134	136	142	144	144	145	146	146	144	0	7 51	156	16 25	133	23
13			✓	148	148	149	150	150	151	152	148	141	145	166	166	161	156	146	143	140	140	143	145	145	145	147	145	149	1	10 29	175	16 51	137	38
14				146	149	148	148	151	152	154	153	148	139	134	133	136	133	128	126	130	136	144	145	142	144	145	148	142	1	6 40	155	15 00	124	31
15			✓	147	147	147	148	149	150	155	161	161	157	150	150	159	142	134	133	138	141	144	144	144	145	147	147	148	1	7 38	163	15 08	130	33
16				147	147	147	148	149	151	151	147	142	134	124	121	126	125	124	122	124	134	140	142	144	145	145	147	139	0	6 01	153	11 02	120	33
17				147	147	147	148	148	149	151	150	145	135	128	129	125	119	115	121	129	136	140	141	142	143	142	144	138	0	6 35	151	13 58	114	37
18			✓	140	143	144	147	149	159	173	180	188	182	143	116	114	107	101	109	123	140	132	140	149	141	141	153	142	2	9 05	214	14 43	97	117
19			✓	138	150	158	155	157	157	164	170	174	174	168	165	157	145	135	134	135	136	140	141	144	145	149	149	152	2	9 08	178	15 33	129	49
20			✓	146	148	148	150	154	155	152	153	148	142	127	124	123	124	127	132	137	142	145	145	145	146	145	145	142	1	4 48	157	10 48	119	38
21				148	149	149	150	150	152	154	153	144	136	125	126	122	108	104	115	127	138	142	143	143	144	144	145	138	1	6 58	155	14 20	103	52
22	✓	✓		146	148	149	150	151	152	154	160	156	147	144	143	133	120	117	127	135	139	141	143	143	143	144	144	143	0	7 52	163	14 14	116	47
23				145	146	148	149	150	151	154	156	149	140	132	135	134	131	130	133	135	136	140	141	143	143	144	145	142	0	7 15	159	14 14	126	33
24				145	146	148	149	149	150	150	149	143	134	129	132	134	130	132	137	137	139	143	141	143	146	144	145	141	1	7 13	154	10 45	125	29
25				145	146	147	148	150	151	155	155	144	135	136	137	135	131	127	131	136	140	143	145	144	144	145	145	142	0	7 03	156	14 18	125	31
26	✓			145	146	147	148	149	151	155	158	151	142	140	140	136	141	137	137	136	140	143	144	144	145	144	145	144	0	7 28	158	12 28	132	26
27				146	146	147	148	150	150	151	154	146	135	128	129	125	131	136	138	139	140	142	144	145	144	145	145	142	0	7 10	155	12 31	122	33
28				145	146	148	148	148	150	149	145	137	130	128	135	127	121	122	125	126	135	142	144	145	145	145	144	139	0	5 52	150	13 58	117	33
29				146	146	147	147	150	151	154	151	137	132	130	128	127	129	132	132	128	133	140	142	142	141	144	144	140	0	6 53	155	12 11	124	31
30				145	146	147	147	146	145	142	136	131	133	134	136	130	123	127	132	137	139	142	143	144	144	144	146	139	0	3 18	149	13 25	122	27
31																																		
MEANS ALL DAYS				146	147	148	149	150	151	153	153	148	142	136	135	134	132	130	131	134	139	142	144	144	145	145	146	143						34
MEANS TEN DAYS *				148	148	149	149	150	151	152	153	149	142	138	135	135	135	132	133	135	139	143	144	145	146	146	147	144						28
MEANS FIVE DAYS (G. M. T.) †				148	148	149	149	150	151	152	152	148	142	138	136	135	132	128	130	133	138	143 142	144 144	145	146	146	147	143						
MEANS FIVE DAYS (G. M. T.) ‡				144	147	149	150	152	154	159	162	162	160	151	144	143	135	129	130	135	140	141	142	144	144	145	148	146						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 242

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1941 — OCTOBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				146	147	147	147	148	149	151	150	142	136	134	129	122	124	128	129	131	136	141	143	143	143	145	145	140	0	6	56	153	12	28	119	34
2				146	145	146	146	146	146	149	155	155	151	152	155	159	161	154	146	143	142	143	143	144	145	144	144	148	0	13	18	163	17	18	141	22
3	✓			146	148	148	149	149	151	149	148	141	135	137	137	133	131	128	126	129	135	141	144	145	146	146	146	141	0	5	53	152	15	35	125	27
4	✓	✓		146	146	147	148	149	149	148	147	139	131	132	134	134	141	143	143	140	142	143	144	145	145	145	146	143	0	5	18	150	9	38	129	21
5				146	147	148	151	150	151	153	150	143	134	127	118	107	98	101	118	130	136	140	143	144	145	145	145	136	0	6	32	153	13	44	96	57
6		✓		145	146	147	149	150	150	154	152	144	136	134	126	119	118	124	130	135	138	141	143	144	145	145	146	140	0	6	58	155	12	53	115	40
7	✓	✓		147	147	148	149	150	150	155	162	160	154	148	136	130	128	129	130	131	135	140	141	141	143	143	145	143	0	7	29	164	13	22	126	38
8				148	148	148	148	149	150	154	155	150	145	144	127	110	111	111	116	125	132	140	142	143	144	142	143	139	0	7	03	157	12	46	107	50
9				143	144	145	147	148	149	149	147	140	138	139	140	132	122	121	121	129	135	140	142	142	142	142	142	139	0	7	01	150	15	08	120	30
10				142	143	144	146	146	147	146	143	136	132	133	127	121	123	128	129	135	143	144	144	143	143	143	144	139	0	5	20	149	12	12	116	33
11			✓	141	144	142	144	144	149	148	142	130	122	117	111	98	105	109	119	132	142	138	139	144	142	142	143	133	1	5	31	152	12	37	95	57
12			✓	144	145	144	144	145	146	148	145	142	139	139	128	115	115	123	123	128	134	142	143	144	144	144	144	138	0	6	28	149	13	10	113	36
13				144	145	144	146	147	147	145	143	134	133	135	127	128	133	134	133	137	142	142	143	143	143	143	144	140	0	5	31	148	11	38	125	23
14				144	144	145	147	148	149	150	150	144	140	143	143	126	121	129	129	130	135	138	139	140	142	142	142	140	0	6	34	153	12	58	118	35
15				142	142	143	144	144	145	153	159	154	150	149	142	125	121	128	129	129	136	142	143	144	143	141	144	141	0	7	32	160	13	05	119	41
16			✓	145	145	144	146	146	148	147	143	135	131	134	128	116	118	122	121	123	135	140	142	141	142	142	142	136	1	5	28	149	12	57	113	36
17	✓	✓		143	143	145	145	145	145	143	144	140	139	141	139	131	133	131	125	129	136	140	142	142	142	143	143	140	0	4	53	147	15	38	123	24
18	✓			143	144	145	147	147	147	149	148	145	147	152	151	141	134	143	140	136	140	141	141	142	142	142	142	144	0	10	52	155	13	12	132	23
19				142	143	144	146	147	147	147	147	141	140	141	142	142	137	138	133	132	136	140	141	141	142	142	143	141	0	5	05	149	15	48	131	18
20				142	143	146	147	149	149	151	149	137	131	135	136	133	132	132	131	133	140	142	142	141	141	142	141	140	0	6	50	152	15	38	129	23
21	✓	✓		143	145	146	147	148	149	149	150	145	140	138	138	136	137	142	146	145	145	145	144	143	142	141	142	144	0	6	51	152	12	30	135	17
22			✓	143	144	144	147	149	149	148	146	139	133	130	121	115	131	140	140	139	144	146	144	143	142	142	144	140	2	5	08	150	12	20	111	39
23				144	145	145	146	148	150	152	155	155	157	163	163	154	150	149	139	133	135	138	140	141	142	141	141	147	1	11	10	164	16	27	132	32
24				143	145	146	146	149	149	151	158	160	162	165	157	142	132	128	127	132	137	141	145	143	142	143	143	145	0	10	38	166	14	56	125	41
25	✓			144	144	145	147	150	153	154	153	146	137	127	122	117	112	113	119	125	135	141	141	141	141	141	143	137	0	7	08	155	13	15	111	44
26				143	144	145	146	148	152	151	148	139	131	130	120	110	101	105	110	122	134	140	144	144	144	142	144	135	0	5	28	153	13	39	100	53
27	✓			144	144	145	145	146	146	149	149	149	147	145	138	129	130	129	127	129	137	142	143	143	143	144	144	141	0	7	11	151	15	41	124	27
28	✓			143	144	144	145	146	145	146	143	138	138	143	140	138	134	129	126	125	132	139	143	142	143	143	143	140	0	6	38	147	16	03	123	24
29	✓			144	145	145	146	146	145	139	136	133	135	138	138	130	125	126	123	125	133	140	143	141	141	142	141	138	0	4	43	147	15	32	121	26
30				142	143	144	144	145	143	140	139	139	144	151	152	149	152	147	138	135	138	140	143	143	142	143	136	143	0	11	08	155	15	53	134	21
31			✓	134	138	142	144	146	144	139	135	134	136	136	135	132	138	131	125	126	132	135	134	141	140	139	138	136	2	4	41	148	16	02	120	28
MEANS ALL DAYS				144	145	145	146	147	148	149	148	143	139	140	135	128	127	129	129	131	137	141	142	143	143	143	143	140								33
MEANS TEN DAYS *				144	145	146	147	148	148	148	148	144	140	140	137	132	130	131	130	131	137	141	143	142	143	143	144	141								27
MEANS FIVE DAYS (G. M. T.) †				145	145	147	148	148	149	150	151	146	140	139	135	130	131	134	135	136	139	141 142	143 143	143	144	144	144	142							
MEANS FIVE DAYS (G. M. T.) ‡				141	143	143	145	146	147	146	142	136	132	131	125	115	121	125	126	130	137	140	143	143	142	142	142	137								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 243

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	143	146	144	145	146	144	147	148	145	140	141	147	150	143	132	124	128	134	139	141	142	143	143	143	142	1	12	38	15	22	31
2	✓			142	143	145	147	148	145	142	144	145	145	143	139	140	140	135	130	129	136	141	142	144	144	144	144	142	0	4	10	15	51	21
3	✓			144	145	145	146	147	143	139	139	136	135	136	138	133	134	131	134	135	141	145	144	144	145	145	146	140	0	4	43	12	38	17
4	✓	✓		146	147	146	148	147	143	138	136	136	140	139	130	118	121	122	129	135	138	142	145	144	144	145	145	138	0	3	54	12	19	32
5				146	144	146	146	147	143	143	145	145	145	138	128	119	137	137	128	128	136	143	142	142	141	142	141	140	0	7	11	12	20	33
6			✓	142	142	145	146	149	150	146	144	142	140	132	124	116	119	125	124	128	135	140	143	143	142	144	144	138	1	5	18	12	25	38
7				143	143	147	147	147	144	143	142	135	133	133	129	124	120	125	129	134	138	141	143	140	138	139	139	137	0	4	23	12	58	29
8				139	140	142	143	145	144	147	152	152	149	152	148	144	142	135	130	130	137	142	143	142	143	144	144	143	0	8	15	15	48	27
9				144	144	144	145	147	147	144	140	136	133	135	139	133	128	120	116	119	130	140	142	142	141	140	142	137	0	5	18	15	28	34
10			✓	143	143	144	145	149	149	150	147	144	149	151	149	135	134	134	131	134	138	139	140	142	142	143	143	142	1	10	32	15	40	23
11				142	143	143	143	146	146	149	153	152	149	140	130	122	123	124	125	129	137	140	143	142	140	142	142	139	0	7	53	12	55	35
12				142	143	143	144	144	143	144	149	154	152	148	145	144	137	136	137	139	144	145	146	145	146	146	146	144	0	8	50	14	38	22
13				146	146	146	146	147	145	142	145	147	151	153	155	155	149	145	139	136	140	143	145	145	145	145	144	146	0	11	57	16	23	25
14	✓			144	145	146	146	148	149	152	157	160	162	157	154	145	136	135	134	135	136	143	146	145	145	146	145	146	0	9	15	15	48	29
15	✓	✓		145	145	144	145	147	147	148	147	144	140	140	140	139	138	137	138	139	144	148	147	145	144	143	143	143	0	7	08	14	03	14
16	✓	✓		142	143	144	146	146	143	144	148	150	149	142	143	152	151	144	138	134	139	143	145	141	139	140	140	144	0	12	52	16	01	23
17			✓	141	140	141	145	150	147	150	151	150	151	147	147	147	140	150	141	142	145	146	145	142	142	143	142	145	1	9	30	13	23	19
18				142	143	146	147	150	150	146	151	156	155	149	149	138	132	137	150	144	140	143	141	144	142	141	140	145	1	8	10	13	38	29
19				140	141	142	145	146	143	144	146	146	142	138	136	140	141	143	142	137	141	141	145	142	143	144	144	142	0	8	01	11	03	12
20				141	143	144	145	146	145	144	144	139	132	131	124	116	129	141	144	143	141	143	143	143	145	144	143	140	0	5	23	12	13	35
21				144	144	145	146	146	143	148	155	158	151	146	136	127	129	131	134	134	136	140	144	143	144	143	143	142	0	8	35	12	38	35
22				142	142	143	145	146	146	146	149	145	140	139	138	135	137	134	130	133	137	143	143	142	140	140	144	141	0	7	22	15	38	22
23				143	144	145	147	148	146	150	157	160	159	156	148	136	135	143	141	140	142	145	147	145	145	144	144	146	0	8	51	13	00	31
24	✓	✓		142	143	143	144	144	143	143	149	153	151	150	144	135	134	125	117	117	126	138	143	143	143	143	141	140	0	8	18	15	24	39
25	✓			140	139	140	145	148	145	135	130	129	130	132	130	125	121	122	127	131	134	139	141	143	141	141	140	135	0	4	28	13	58	29
26	✓	✓		139	140	141	143	143	141	143	148	146	141	139	134	132	129	129	128	131	133	136	139	140	141	141	139	138	0	7	23	13	48	23
27				135	134	136	140	141	137	135	139	142	147	150	146	131	127	125	123	126	134	140	144	142	140	140	139	137	0	10	32	15	18	31
28			✓	135	129	131	135	145	143	154	166	165	160	154	151	153	159	168	159	143	140	144	147	146	146	144	143	148	2	14	31	1	42	50
29				143	143	143	143	145	143	148	156	151	145	146	140	135	130	126	123	129	137	142	144	144	143	143	142	141	0	7	41	15	12	36
30	✓			142	142	143	144	144	138	146	155	151	152	154	157	148	144	133	129	132	136	142	144	143	143	143	142	144	0	11	11	15	06	33
31																																		
MEANS ALL DAYS				142	142	143	145	146	144	145	148	147	146	144	141	136	135	134	132	133	137	142	144	143	143	143	143	142						29
MEANS TEN DAYS *				143	143	144	145	146	144	143	145	145	144	143	141	137	135	131	130	132	136	142	144	143	143	143	142	141						26
MEANS FIVE DAYS (G. M. T.) †				143	144	144	145	145	143	143	146	146	144	142	138	135	135	131	130	131	136	144 141	145 144	144	144	144	144	141						
MEANS FIVE DAYS (G. M. T.) ‡				141	140	141	143	148	147	149	151	149	148	145	144	140	139	142	136	135	138	142	141	142	140	140	140	143						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 244

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1941 — DECEMBER 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	141	140	136	137	133	132	156	165	155	145	161	151	152	150	132	127	125	133	141	139	139	141	143	140	142	2	10 34	175	16 26	124	51
2			✓	139	142	142	142	143	143	150	156	157	159	164	161	155	153	146	133	131	134	137	140	139	139	140	140	145	1	10 08	165	16 04	129	36
3				142	142	144	145	144	142	141	140	133	127	126	126	122	135	147	147	145	138	140	141	141	141	139	137	139	0	15 13	150	12 21	118	32
4				138	138	141	141	141	136	135	142	142	133	132	128	130	131	126	124	128	134	140	142	141	142	142	142	136	1	8 11	146	15 25	123	23
5				142	140	141	142	142	140	143	150	152	152	151	137	130	125	131	134	131	131	137	143	140	139	137	139	140	1	9 53	154	13 28	122	32
6				138	139	140	142	142	140	142	141	137	133	139	146	148	150	146	144	137	133	136	138	138	137	138	140	140	0	13 18	152	9 18	132	20
7				140	138	140	141	143	143	148	153	151	147	143	135	126	119	126	129	132	132	133	140	140	139	139	138	138	0	7 51	155	13 25	118	37
8	✓			138	138	138	140	142	143	146	156	159	155	147	143	140	137	131	128	125	129	134	138	138	137	137	137	140	0	8 28	162	16 12	123	39
9				138	139	139	141	142	143	147	151	165	159	158	149	139	123	117	118	124	129	134	136	137	136	136	137	139	0	8 42	168	14 11	116	52
10				137	137	140	141	143	143	143	146	145	140	138	140	131	122	117	112	115	123	132	136	137	137	137	137	135	0	7 10	149	15 46	109	40
11	✓	✓		137	138	140	141	142	141	137	137	138	141	146	149	150	149	142	140	134	135	138	140	141	140	140	139	141	0	12 58	152	16 58	132	20
12	✓	✓		138	139	141	142	143	143	145	148	149	143	144	134	128	129	133	133	128	129	137	140	140	141	139	138	138	0	8 01	151	12 58	125	26
13				137	137	136	138	140	140	140	145	150	153	153	152	141	137	130	124	122	128	135	138	138	137	138	138	139	0	9 28	155	15 58	119	36
14			✓	139	139	140	142	143	144	146	149	146	143	147	146	142	134	127	117	116	124	134	139	139	139	139	138	138	0	7 28	153	15 52	112	41
15				140	140	140	142	143	140	144	155	161	159	157	153	140	141	144	137	131	133	135	139	138	135	135	137	142	0	8 08	162	16 35	127	35
16			✓	136	137	139	139	142	140	137	138	137	134	134	134	133	134	134	131	128	133	139	142	140	140	140	139	137	0	4 51	143	16 18	126	17
17				139	140	141	141	142	140	135	134	135	133	128	121	112	124	129	130	132	132	139	141	139	139	140	139	134	0	4 55	144	12 30	109	35
18				136	137	139	140	143	142	143	146	144	146	149	154	153	156	155	146	136	134	137	141	140	140	140	140	143	1	13 42	160	17 07	132	28
19				140	140	140	141	143	141	144	148	146	144	142	140	138	141	143	138	135	138	142	143	143	142	143	140	141	0	7 28	149	15 53	134	15
20	✓	✓		143	141	141	143	143	144	147	149	145	139	135	133	127	128	130	130	131	134	135	139	140	140	139	139	138	0	6 58	150	12 54	126	24
21	✓	✓		139	140	141	141	143	143	143	146	146	143	140	140	144	143	144	147	146	143	143	143	142	140	140	140	142	0	15 40	148	10 54	136	12
22	✓			140	140	140	143	145	144	143	143	145	146	144	142	139	134	134	130	127	131	135	139	139	138	137	137	139	0	10 03	148	16 20	125	23
23				138	137	139	140	142	142	140	137	134	135	139	139	141	131	122	115	118	129	134	140	140	140	139	139	135	0	5 26	144	16 12	114	30
24				139	140	140	142	144	143	141	148	154	154	157	151	141	141	141	134	133	134	136	141	141	141	141	141	142	0	10 08	159	16 08	131	28
25	✓	✓		141	141	141	142	141	141	137	135	132	127	121	116	116	125	127	121	126	133	137	141	141	141	141	140	134	0	4 06	145	12 48	115	30
26	✓			139	140	141	141	142	140	140	150	154	159	160	152	145	140	137	124	124	133	136	139	139	140	140	140	141	0	9 58	164	16 08	120	44
27			✓	139	139	141	142	143	142	141	150	149	155	156	141	126	115	121	123	126	128	136	140	141	142	141	140	138	0	10 13	159	13 15	112	47
28				140	140	139	140	142	141	139	141	138	137	148	148	140	136	140	142	141	141	141	142	144	144	143	141	141	0	10 51	151	13 48	134	17
29				141	141	141	141	143	142	143	146	144	143	154	162	165	162	156	144	138	139	141	143	142	142	141	141	146	0	11 41	167	16 14	137	30
30	✓			142	141	141	141	141	139	138	142	144	146	152	154	152	153	154	139	131	134	139	141	140	141	139	139	143	0	14 04	157	16 40	129	28
31	✓			140	139	141	142	143	141	136	136	131	128	129	125	130	137	134	131	132	134	138	140	140	140	141	139	136	0	4 40	144	11 55	122	22
MEANS ALL DAYS				139	139	140	141	142	141	142	146	146	144	145	142	138	137	135	131	130	133	137	140	140	140	139	139	139						31
MEANS TEN DAYS ✱				140	140	140	142	142	142	141	144	144	143	142	139	137	138	137	132	130	134	137	140	140	140	139	139	139						27
MEANS FIVE DAYS † (G. M. T.)				140	140	141	142	142	142	142	143	142	139	137	134	133	135	135	134	133	135	137 138	140 141	140	140	140	139	139						
MEANS FIVE DAYS ‡ (G. M. T.)				139	139	140	140	141	140	146	152	149	147	152	147	142	137	132	126	125	130	137	140	139	139	140	139	140						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 245

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		467	463	462	462	465	462	458	471	487	491	488	482	478	471	479	468	460	463	469	477	476	472	470	467	471	0	9 42	492	6 05	456	36
2				462	458	453	453	456	456	445	453	462	467	472	479	479	487	492	480	469	463	472	482	486	479	472	470	469	1	14 10	498	6 16	441	57
3			✓	470	472	473	472	476	477	470	479	489	498	506	509	502	496	482	471	462	470	471	479	480	483	482	478	481	1	9 55	512	16 32	457	55
4			✓	471	464	458	460	461	459	442	447	447	467	481	497	499	507	483	472	477	475	476	479	482	480	476	471	472	1	13 32	519	8 11	436	83
5			✓	469	467	459	459	459	450	454	466	488	501	515	527	530	528	503	481	467	461	462	470	474	474	474	471	480	0	11 45	539	5 34	445	94
6				470	468	464	463	461	457	447	453	467	481	501	512	516	517	497	480	470	471	470	472	474	477	477	469	476	0	10 48	519	6 30	443	76
7				467	462	461	460	459	458	448	459	479	490	492	490	494	489	479	466	458	460	466	472	472	470	470	469	470	0	10 57	498	6 52	446	52
8	✓			467	466	466	466	466	463	456	468	485	499	512	519	509	497	490	483	468	463	470	476	478	478	474	470	479	0	11 03	520	6 28	453	67
9				469	467	464	461	463	467	461	469	483	499	519	526	520	508	490	476	466	462	468	476	477	475	472	470	480	0	11 50	529	3 40	459	70
10				469	463	459	459	460	462	453	462	476	483	495	495	487	470	467	466	459	460	465	473	472	469	469	467	469	0	10 24	507	6 37	450	57
11				464	460	460	459	463	469	459	454	470	488	505	501	500	501	491	472	458	460	465	473	478	474	472	469	474	0	10 30	511	7 16	453	58
12				466	464	461	461	461	461	458	467	486	502	518	511	500	510	517	497	481	481	475	473	474	472	472	470	481	0	13 48	532	6 28	454	78
13				465	461	459	460	463	461	451	458	474	488	502	506	493	487	478	457	451	454	463	471	479	479	476	471	471	0	11 40	519	16 17	449	70
14				467	461	455	456	458	457	453	467	480	490	510	533	522	504	491	481	469	461	463	471	472	473	473	472	477	0	11 48	538	6 15	450	88
15				473	468	464	467	468	464	458	463	479	493	493	508	523	516	503	492	473	467	469	469	471	471	471	469	479	1	12 32	528	6 14	457	71
16				468	468	464	463	463	460	443	443	463	492	498	498	500	503	511	500	488	481	479	482	479	473	472	468	477	0	14 01	515	7 28	439	76
17			✓	463	455	450	440	437	448	452	462	471	479	491	490	482	480	468	468	470	478	478	480	479	481	473	468	468	0	10 43	501	4 52	431	70
18			✓	468	463	458	457	460	458	443	443	457	472	486	497	482	479	482	484	489	490	481	482	483	479	473	470	472	1	11 54	504	6 58	440	64
19				458	451	458	459	460	459	454	467	480	485	491	499	495	490	479	464	459	467	467	475	473	472	472	469	471	0	11 26	502	1 18	450	52
20	✓			466	466	468	467	468	467	461	467	477	481	478	483	487	490	495	491	472	468	465	470	471	471	470	469	474	0	14 45	497	6 32	459	38
21	✓	✓		469	468	467	469	471	472	465	471	484	502	520	534	529	499	477	464	459	467	471	474	476	474	473	465	480	0	11 25	540	16 28	458	82
22				460	460	461	460	460	465	462	474	482	479	476	479	479	474	480	489	484	482	482	481	480	475	472	468	474	0	15 38	497	1 08	458	39
23				464	464	460	461	462	464	462	469	481	485	492	493	491	486	489	482	479	476	475	479	481	479	474	472	476	0	11 55	494	2 41	459	35
24	✓	✓		469	467	464	462	461	458	451	453	464	481	489	494	504	505	499	481	467	465	471	476	477	475	475	472	474	0	13 08	509	7 02	450	59
25				470	468	464	463	464	467	458	459	468	473	486	496	489	478	470	462	459	468	469	474	475	478	479	475	471	0	11 48	495	7 18	454	45
26	✓	✓		472	466	463	463	463	465	462	472	492	503	493	490	492	488	492	492	469	455	460	469	471	470	470	467	475	0	9 16	509	17 38	453	56
27	✓			464	463	463	462	462	460	444	451	464	477	492	488	454	434	433	449	461	474	473	474	480	477	472	473	464	0	10 51	494	13 47	430	64
28				477	472	468	468	469	465	454	456	464	473	481	481	481	482	484	478	471	469	467	471	474	473	472	474	472	0	14 32	487	6 45	452	35
29	✓			473	470	467	464	463	461	453	460	474	492	498	491	475	469	469	460	460	474	478	479	479	477	479	476	473	0	9 30	502	6 38	452	50
30	✓			473	470	468	464	463	463	461	468	474	479	484	491	478	490	504	497	484	476	474	475	475	477	474	474	476	0	14 18	508	6 38	460	48
31	✓	✓		470	464	462	460	460	455	450	453	466	477	481	482	475	464	471	474	469	465	468	473	474	474	474	472	468	0	10 34	483	6 48	449	34
MEANS ALL DAYS				468	464	462	461	462	462	454	461	475	486	495	499	495	490	485	477	469	469	470	475	477	475	473	470	474						60
MEANS TEN DAYS ✱				469	466	465	464	464	463	456	463	477	488	494	495	488	481	481	476	467	467	470	474	476	474	473	470	473						53
MEANS FIVE DAYS † (G. M. T.)				469	466	464	463	464	462	457	464	479	491	494	496	496	485	484	476	465	463	471 468	475 474	476	476	474	472	474						
MEANS FIVE DAYS ‡ (G. M. T.)				468	464	460	458	459	458	452	459	470	483	496	504	499	498	484	475	473	475	474	480	481	479	475	471	475						

JANUARY 1942

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 246

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1942 — FEBRUARY 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			468	462	459	455	455	453	444	454	480	496	504	508	492	487	492	496	483	474	475	482	480	479	475	469	476	0	11 57	512	6 28	441	71
2				463	459	459	454	453	456	453	459	469	492	510	502	482	474	472	462	459	459	459	468	470	470	469	469	468	1	10 48	513	4 38	451	62
3	✓			464	461	465	464	466	469	463	468	482	494	501	500	493	485	484	474	465	457	463	470	472	471	470	470	474	0	10 15	503	17 38	455	48
4	✓			468	465	462	463	464	464	454	460	475	492	495	491	490	492	483	473	460	458	460	467	471	473	472	473	472	0	10 14	500	6 38	453	47
5			✓	463	462	462	463	465	459	445	456	473	484	491	501	506	512	504	498	478	474	474	479	473	472	472	465	476	1	13 20	523	6 44	444	79
6			✓	465	468	463	464	465	466	460	479	502	521	525	516	512	521	513	503	491	479	474	475	474	470	465	469	485	1	9 54	535	6 21	454	81
7				464	461	461	461	464	469	456	463	482	490	489	496	508	518	523	519	495	481	473	473	470	469	466	464	480	0	14 32	526	6 44	452	74
8	✓	✓		463	462	462	463	467	471	457	454	463	469	475	480	488	499	505	494	480	469	467	474	473	471	468	467	473	0	14 40	507	6 48	450	57
9	✓	✓		465	463	460	461	465	475	467	468	478	489	483	481	490	498	498	495	488	483	475	472	472	469	468	468	476	0	14 16	501	3 13	457	44
10				466	467	465	468	469	469	457	464	467	458	464	474	474	489	497	498	486	474	468	464	468	465	467	470	471	0	15 04	503	6 38	454	49
11				468	469	468	471	476	479	464	456	458	462	482	492	507	514	518	513	495	475	475	474	473	469	468	465	479	0	14 16	528	8 08	450	78
12	✓	✓		464	464	462	461	467	466	458	449	447	451	459	469	476	485	490	488	478	469	472	474	474	473	464	459	467	0	14 40	492	8 28	446	46
13	✓			459	458	457	458	462	465	459	463	472	474	473	486	490	494	504	506	490	473	469	469	469	468	465	463	473	0	15 25	508	2 48	456	52
14				459	460	458	458	460	459	447	431	429	438	440	450	461	474	483	484	488	484	481	478	477	474	470	466	463	0	16 30	490	8 11	427	63
15				462	454	452	461	466	473	458	453	463	477	483	490	493	495	494	497	494	484	476	474	472	470	468	466	474	0	13 31	502	2 35	450	52
16				463	460	461	458	466	466	456	454	461	469	476	481	481	484	493	491	485	477	471	471	470	468	466	466	471	0	14 57	495	6 57	451	44
17				464	464	464	469	473	473	460	447	444	452	462	484	501	500	495	490	480	470	466	468	470	470	464	464	471	0	12 52	502	8 08	443	59
18	✓	✓		461	463	466	470	476	481	470	464	465	470	478	493	503	510	512	494	482	472	463	464	465	466	466	464	476	0	14 22	514	0 48	459	55
19	✓	✓		463	463	463	465	470	473	457	441	433	427	437	458	482	500	507	495	485	483	471	468	469	466	466	461	467	0	14 31	511	9 13	422	89
20				457	457	465	468	473	476	467	466	466	474	476	474	485	494	502	497	485	480	472	468	472	473	467	467	474	0	14 28	505	0 53	455	50
21				462	464	467	465	470	474	464	461	476	488	495	498	504	516	515	499	485	474	466	467	469	468	466	466	478	0	13 43	521	1 28	458	63
22				467	467	471	470	472	474	464	456	455	464	467	475	481	490	497	488	474	465	464	463	468	470	465	466	471	0	14 31	501	8 08	453	48
23			✓	467	467	467	470	474	474	462	457	463	469	470	477	479	496	494	493	485	481	480	483	478	476	475	478	476	1	13 15	504	8 08	452	52
24			✓	474	467	464	454	458	467	451	443	448	455	467	482	494	510	508	502	493	482	474	471	468	467	470	472	473	1	13 56	515	7 30	441	74
25				472	469	468	469	468	471	460	449	447	452	464	485	504	520	515	496	484	477	473	467	471	472	471	467	475	1	13 58	525	8 40	446	79
26	✓			463	463	464	466	467	470	463	448	440	434	435	448	463	481	492	489	474	465	470	474	473	471	467	465	464	0	15 08	494	10 01	432	62
27				466	465	465	467	472	475	464	454	447	447	462	472	484	493	503	502	491	476	472	472	475	474	469	467	472	1	14 45	505	9 38	444	61
28			✓	467	468	470	468	471	468	455	441	462	474	463	476	462	489	493	487	482	477	477	474	471	470	467	466	471	1	11 21	502	7 11	423	79
29																																		
30																																		
31																																		
MEANS ALL DAYS				465	463	463	464	467	469	458	456	462	470	476	484	489	497	500	494	483	474	471	472	472	470	468	467	473						61
MEANS TEN DAYS ✻				464	462	462	463	466	469	459	457	464	470	474	481	487	493	497	490	478	470	468	471	472	471	468	466	472						57
MEANS FIVE DAYS (G. M. T.) †				463	463	463	464	469	473	462	455	457	461	466	476	488	498	502	493	483	475	469 470	471 470	470	469	466	465	472						
MEANS FIVE DAYS (G. M. T.) ‡				467	466	465	464	467	467	455	455	470	481	483	490	491	506	502	497	486	479	476	473	473	473	471	470	476						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 247

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1942

MARCH 1942

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	467	467	454	387	428	454	436	425	442	447	461	474	469	471	485	490	507	498	492	506	514	475	471	475	466	2	20 38	527	3 37	374	153
2			✓	475	474	475	474	475	475	471	465	469	472	469	486	491	496	494	485	483	475	472	469	467	466	465	463	475	1	14 07	502	23 58	456	46
3			✓	462	455	441	437	432	444	442	443	456	475	487	497	487	477	483	484	477	471	471	473	471	467	467	464	465	1	12 15	514	4 42	424	90
4				468	467	469	470	468	472	462	465	471	476	482	485	495	493	492	485	484	473	470	470	468	469	469	465	474	0	12 52	501	6 56	460	41
5			✓	448	447	454	449	454	464	452	444	459	473	478	488	505	508	496	486	482	481	474	477	476	466	469	464	471	1	12 06	517	7 12	436	81
6				463	463	461	465	460	461	453	452	461	467	484	487	495	500	495	484	474	471	467	471	475	472	471	471	472	0	13 43	503	7 12	445	58
7				471	464	459	460	464	464	452	451	462	473	484	495	507	507	500	483	475	471	473	474	474	474	468	472	474	0	13 10	516	7 16	446	70
8			✓	476	471	471	471	474	479	468	462	474	484	487	496	494	497	498	492	477	469	468	467	455	457	472	465	476	1	13 52	504	21 00	447	57
9				474	466	470	465	462	461	451	448	454	458	471	485	494	498	497	494	484	476	472	474	472	471	468	467	472	1	13 47	504	7 25	442	62
10				467	468	466	467	468	469	461	452	445	445	454	460	461	473	475	471	467	465	467	472	467	466	464	465	464	1	14 14	484	9 26	442	42
11	✓			462	462	463	465	468	472	465	459	456	455	454	462	471	483	494	491	477	464	463	464	465	465	466	467	467	0	14 38	495	10 13	452	43
12	✓	✓		466	465	462	460	463	467	464	455	453	452	455	462	465	466	471	470	465	465	467	472	475	473	471	466	465	0	20 31	476	9 41	449	27
13				463	462	463	464	458	462	455	445	447	466	477	491	505	506	493	485	475	467	469	470	468	465	468	466	470	1	13 07	520	7 46	438	82
14				463	461	448	443	460	464	450	437	444	446	455	467	474	475	484	478	474	476	478	469	468	468	468	465	463	1	14 42	485	7 42	432	53
15	✓			465	465	463	465	466	467	464	462	463	465	469	482	486	483	484	481	472	465	468	466	464	466	466	465	469	0	12 00	491	7 10	457	34
16	✓	✓		463	462	458	461	464	465	456	461	471	474	483	498	496	495	481	468	464	461	465	467	466	464	465	464	470	0	11 36	503	6 46	454	49
17	✓			464	464	463	469	470	468	461	457	457	464	472	484	487	494	481	464	459	463	465	469	467	467	469	468	469	0	13 33	496	7 55	455	41
18				466	465	464	463	457	460	455	459	470	476	485	485	486	476	470	455	459	465	470	472	472	471	470	471	468	0	11 50	494	6 56	452	42
19				468	467	466	465	467	466	466	471	472	474	478	493	487	501	491	485	484	475	474	483	483	473	471	467	476	1	13 22	505	6 10	463	42
20				466	467	465	465	465	465	461	456	457	464	467	474	482	486	475	460	458	464	467	467	466	465	466	464	466	0	13 24	488	7 53	455	33
21				463	458	463	464	474	473	464	474	482	495	506	515	513	494	484	466	466	467	472	474	474	473	471	466	477	0	11 02	518	1 18	456	62
22				466	471	467	471	470	466	464	472	484	494	503	511	516	512	495	478	468	466	465	464	466	467	466	464	478	0	12 22	520	6 23	462	58
23				464	464	466	468	468	474	474	476	481	480	483	485	495	496	496	486	473	471	469	469	469	469	469	465	475	0	13 10	501	0 27	463	38
24	✓			462	464	467	470	472	468	459	453	455	461	460	474	483	493	485	475	468	464	466	467	465	465	465	464	468	0	13 43	495	6 45	446	49
25	✓	✓		462	461	462	464	464	465	457	449	443	446	453	464	476	481	481	475	471	467	465	466	466	465	466	463	464	0	13 58	484	8 13	438	46
26				462	462	459	465	472	471	459	468	467	452	454	465	473	473	473	468	462	459	465	465	466	465	464	462	465	2	11 46	493	11 56	425	68
27	✓	✓		465	465	465	466	471	474	474	465	462	461	463	467	481	494	487	476	474	470	466	466	464	465	464	464	470	0	13 47	497	9 28	455	42
28	✓	✓		464	464	465	465	466	471	466	454	443	439	443	445	452	464	470	467	462	456	456	460	462	463	463	462	459	0	14 21	474	9 48	437	37
29				461	460	458	462	463	466	470	468	470	461	457	465	483	485	481	468	456	454	458	462	462	464	466	464	465	1	13 12	487	17 08	449	38
30				462	462	461	462	463	464	456	452	452	452	455	459	476	483	478	478	475	472	468	465	465	465	464	464	465	1	12 51	488	7 48	446	42
31	✓			464	464	462	460	463	465	473	477	466	460	459	463	468	475	464	451	452	461	464	464	464	464	465	458	464	0	7 52	481	15 42	445	36
MEANS ALL DAYS				465	464	462	461	464	466	460	457	461	465	471	479	486	488	485	477	472	468	469	470	470	467	467	465	469						54
MEANS TEN DAYS ✻				464	464	463	464	467	468	464	459	457	458	461	470	476	483	480	472	466	464	464	466	466	466	466	464	466						40
MEANS FIVE DAYS (G. M. T.) †				464	463	462	463	466	468	463	457	454	454	459	467	474	480	478	471	467	464	466 466 464 464	466 466 466 466	465	465	465	464	465						
MEANS FIVE DAYS (G. M. T.) ‡				466	463	459	444	453	463	454	448	460	470	476	488	489	490	491	487	485	479	475	479	479	471	468	468	471						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 248

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1942 — APRIL 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				462	462	464	465	465	469	466	463	462	452	449	451	459	465	456	453	447	453	463	463	463	463	463	463	460	1	5	48	473	9	25	440	33
2				463	459	452	447	448	446	445	453	453	459	472	484	478	475	465	455	462	459	467	474	470	468	467	464	462	1	11	09	486	6	08	440	46
3			✓	457	457	458	458	465	465	472	487	498	501	500	494	495	485	475	458	457	459	465	466	465	465	466	467	472	1	10	11	513	16	58	455	58
4			✓	466	465	454	467	475	484	468	448	463	475	486	496	495	487	472	477	473	472	474	472	472	472	471	468	473	1	11	44	513	2	32	444	69
5				468	469	467	468	468	467	469	477	482	485	490	494	495	490	488	475	464	466	468	468	467	467	466	465	474	0	12	18	497	16	38	461	36
6	✓			466	466	466	467	468	469	468	469	465	465	463	468	474	476	474	462	454	456	463	465	465	465	465	464	466	0	13	53	477	16	11	453	24
7	✓	✓		464	463	466	468	469	472	468	465	467	469	471	472	479	485	478	473	467	463	463	464	460	456	458	461	468	0	13	21	486	21	30	455	31
8				465	463	459	452	459	464	462	461	460	458	453	464	466	482	478	476	463	461	466	465	465	465	463	463	464	1	13	30	486	12	04	446	40
9				459	463	463	466	466	466	463	455	446	442	434	443	457	463	473	475	468	466	464	463	462	463	463	463	460	0	15	08	476	10	22	431	45
10	✓			462	462	462	462	463	465	468	468	467	462	457	455	460	457	457	458	453	452	457	459	453	448	463	458	460	0	6	51	471	21	28	446	25
11			✓	453	461	463	457	456	470	475	469	473	471	465	473	473	483	489	482	473	468	468	465	465	464	463	460	468	1	14	18	493	0	00	449	44
12	✓			458	458	458	459	465	469	475	474	474	474	465	466	473	482	486	484	476	472	469	465	463	464	463	459	469	0	14	38	489	1	10	457	32
13				459	460	463	466	471	477	493	486	477	467	455	446	448	466	478	480	467	465	459	467	461	463	466	463	467	0	6	15	502	12	05	440	62
14				458	460	467	470	468	475	478	477	476	478	480	480	478	478	475	472	458	452	453	453	456	458	458	462	468	1	10	38	494	18	48	450	44
15	✓			462	463	463	466	467	466	466	461	464	463	460	457	455	460	463	457	455	455	455	457	456	458	458	458	460	0	4	33	468	17	08	454	14
16				456	459	466	459	463	467	471	475	476	477	467	460	459	460	463	462	464	461	458	454	466	467	459	466	464	0	7	38	485	0	54	453	32
17			✓	473	469	470	477	477	476	476	484	488	486	484	469	464	463	457	453	449	455	463	464	466	465	467	466	469	1	8	40	494	16	41	447	47
18			✓	464	460	457	466	466	465	459	463	473	479	483	480	483	480	475	474	466	457	459	459	464	466	466	467	468	1	10	21	494	2	21	455	39
19				467	466	466	466	466	466	473	473	477	483	476	472	467	456	447	453	466	466	463	461	461	464	463	463	466	0	9	45	487	14	48	446	41
20				463	463	464	467	467	469	469	469	463	467	479	475	467	466	467	467	466	460	463	460	461	464	464	461	466	0	10	15	486	17	28	458	28
21	✓	✓		462	461	461	462	463	463	465	462	463	460	457	457	466	466	457	454	458	462	463	459	458	458	459	458	461	0	12	58	468	15	50	453	15
22	✓	✓		458	459	463	464	465	466	466	465	461	460	464	467	466	474	479	477	468	459	458	456	456	458	459	457	464	0	14	28	481	20	18	455	26
23				457	459	459	462	458	457	452	454	427	448	466	486	489	486	473	473	473	465	466	464	457	463	460	455	463	1	11	55	499	8	28	424	75
24				454	457	459	464	460	465	463	463	463	466	474	480	486	487	482	473	466	460	458	455	457	458	459	459	465	0	12	52	491	0	08	453	38
25	✓	✓		459	461	462	462	464	464	461	459	464	455	464	468	467	461	458	462	464	459	457	456	457	459	460	457	461	0	11	05	469	9	02	454	15
26	✓	✓		458	464	466	463	464	463	462	460	454	446	446	448	450	455	459	465	464	460	460	456	456	458	458	457	458	0	2	19	467	9	48	443	24
27				457	459	460	460	459	466	468	464	457	459	463	470	468	470	466	464	467	466	468	464	466	467	466	465	464	1	11	18	476	8	42	453	23
28				464	466	466	464	463	464	470	463	457	454	460	468	462	463	467	459	454	459	463	463	463	463	461	459	462	0	6	08	474	9	12	450	24
29	✓			459	459	459	461	465	468	474	468	464	454	450	449	454	464	466	466	464	463	459	458	458	459	460	459	461	0	6	38	475	11	18	447	28
30				458	457	458	458	460	463	467	464	454	459	466	474	466	474	468	464	460	456	454	454	453	452	458	461	461	1	7	17	479	8	30	447	32
31																																				
MEANS ALL DAYS				461	462	462	463	464	467	468	467	466	466	467	469	470	472	470	467	463	461	462	462	461	462	462	462	465								36
MEANS TEN DAYS ✱				461	462	463	463	465	466	467	465	464	461	460	461	464	468	468	466	462	460	460	460	458	458	460	459	463								23
MEANS FIVE DAYS † (G. M. T.)				460	462	464	464	465	466	464	462	462	458	460	462	466	468	466	466	464	461	461 460	459 458	460	461	461	460	463								
MEANS FIVE DAYS ‡ (G. M. T.)				463	462	460	465	468	472	470	470	479	482	484	482	482	480	474	469	464	462	466	463	464	463	464	464	470								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 249

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				464	469	470	470	471	475	469	467	473	481	483	483	481	482	475	469	467	465	459	460	460	465	463	461	470	0	10 30	487	18 44	458	29
2				461	460	458	460	465	468	465	468	468	465	467	466	468	470	476	477	470	457	455	456	454	460	462	461	464	0	15 03	479	20 08	450	29
3				462	460	463	464	465	466	467	473	473	475	476	474	470	467	464	462	460	454	455	457	459	459	458	460	464	0	10 33	479	17 44	450	29
4			✓	460	463	464	464	467	470	467	464	456	450	450	450	451	457	458	449	450	458	457	454	447	456	462	460	458	0	5 25	472	20 21	438	34
5			✓	465	470	471	473	475	477	483	488	480	471	471	471	475	477	471	464	459	458	456	454	458	459	460	459	469	0	7 34	490	19 18	453	37
6				459	461	461	464	466	467	464	454	447	444	450	458	461	471	474	469	460	457	457	457	458	458	458	460	460	0	14 11	476	9 12	442	34
7	✓			460	459	458	461	465	468	468	461	456	451	452	456	458	466	474	466	458	455	455	453	454	456	457	456	459	0	14 28	476	9 18	449	27
8	✓			457	458	459	461	462	468	476	474	471	470	470	475	477	479	477	466	454	449	451	450	451	454	456	455	463	0	13 58	482	17 06	445	37
9	✓	✓		454	457	459	460	463	462	459	461	455	455	460	465	470	479	489	474	454	450	455	455	455	457	458	459	461	0	14 13	493	17 08	449	44
10				459	460	460	460	465	468	476	474	461	453	457	457	458	468	477	477	467	455	457	455	456	456	456	456	462	0	14 38	479	9 58	450	29
11				457	458	457	459	462	464	470	474	468	459	456	463	463	457	461	460	455	456	458	456	455	456	458	457	460	0	7 18	477	16 48	454	23
12	✓	✓		457	457	458	459	462	466	471	474	473	477	478	481	474	466	462	459	454	455	457	458	458	458	457	457	464	0	11 18	484	16 48	451	33
13	✓	✓		457	456	457	458	464	470	482	478	461	446	444	449	459	464	468	467	466	466	463	454	454	452	453	456	460	0	6 50	486	10 43	443	43
14			✓	454	448	456	467	468	474	480	477	459	445	444	441	447	461	468	468	468	464	458	458	459	458	458	458	460	0	6 44	486	11 53	438	48
15				459	461	464	466	470	473	475	474	464	451	452	453	455	458	468	464	461	458	457	457	456	458	459	459	461	0	6 30	481	9 44	448	33
16				459	460	462	465	468	472	479	471	465	458	460	459	460	459	461	459	454	455	452	454	453	458	460	460	461	0	6 08	481	18 38	450	31
17	✓			460	462	465	465	465	468	463	458	449	440	445	451	453	459	463	456	452	454	455	455	452	456	459	461	457	0	5 42	469	9 48	439	30
18				461	462	465	465	468	465	468	472	462	456	458	467	479	485	475	457	451	450	454	455	456	456	459	459	463	0	13 18	488	17 03	448	40
19	✓			460	460	460	461	464	464	460	465	468	467	460	462	472	478	478	464	458	457	453	453	455	456	457	459	462	0	14 18	480	18 38	452	28
20				460	461	462	462	464	464	464	469	470	465	465	467	468	472	475	468	460	453	452	454	457	456	459	458	463	0	12 38	477	17 38	449	28
21				459	459	459	461	462	462	462	459	454	454	456	458	464	471	472	476	471	461	457	457	459	460	461	458	461	0	15 28	477	10 04	449	28
22				457	457	446	452	462	466	465	459	451	449	452	460	460	466	480	483	478	472	466	468	465	462	461	459	462	0	15 36	487	2 31	442	45
23				458	458	459	457	462	465	466	460	455	449	449	453	461	471	480	478	465	458	454	455	457	459	458	456	460	0	14 52	485	10 07	443	42
24				456	458	459	459	465	469	475	475	465	450	446	441	445	454	463	465	458	452	459	459	457	457	457	457	458	0	7 10	478	11 18	438	40
25	✓			458	459	460	461	462	467	471	467	457	456	452	455	462	476	472	471	465	456	455	456	457	457	456	456	461	0	13 38	478	10 11	451	27
26	✓	✓		457	459	460	463	464	468	475	460	447	436	434	439	452	467	472	468	459	455	455	451	451	453	455	455	456	0	6 50	478	10 58	433	45
27			✓	456	460	462	467	472	474	474	465	459	449	451	452	449	457	464	469	464	461	456	456	456	457	458	457	460	0	6 34	482	10 01	439	43
28			✓	454	455	452	466	468	470	478	482	475	473	471	465	462	465	464	460	456	451	452	456	458	458	458	456	463	0	7 17	487	2 03	448	39
29				459	460	462	465	466	468	476	474	465	455	449	446	450	451	456	461	455	449	452	454	456	452	459	461	458	0	6 53	479	11 25	442	37
30				460	461	461	462	465	469	475	470	462	450	445	449	458	460	465	467	462	457	457	456	456	457	456	459	460	0	6 42	478	10 34	443	35
31	✓	✓		458	459	461	462	466	471	481	476	467	456	442	445	447	452	456	458	460	458	453	455	455	456	458	459	459	0	6 41	485	10 32	439	46
MEANS ALL DAYS				459	460	460	463	466	468	471	469	462	457	456	458	462	467	470	466	460	457	456	456	456	457	458	458	461						35
MEANS TEN DAYS ✱				458	459	460	461	464	467	471	467	460	455	454	458	462	469	471	465	458	456	455	454	454	456	457	457	460						36
MEANS FIVE DAYS † (G. M. T.)				457	458	459	460	464	467	474	470	461	454	452	456	460	466	469	465	459	457	456 457	455 455	455	456	457	457	460						
MEANS FIVE DAYS ‡ (G. M. T.)				458	459	461	467	470	473	476	475	466	458	457	456	457	463	465	462	459	458	456	454	453	455	457	458	461						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 250

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JUNE 1942 — JUNE 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			457	458	459	462	465	467	476	480	470	461	456	450	450	453	451	455	457	451	449	448	449	451	454	455	458	0	7 24	484	12 05	447	37
2	✓	✓		454	457	458	460	464	466	468	467	463	457	456	455	462	464	464	458	448	446	448	450	451	451	452	455	457	0	6 58	470	17 08	444	26
3				455	456	457	458	458	458	468	472	472	462	460	460	459	457	456	456	449	445	445	448	451	455	455	456	457	0	7 18	479	17 11	441	38
4	✓			458	457	458	460	461	462	461	463	456	450	451	455	462	461	460	455	447	448	451	450	454	450	451	456	456	0	7 18	465	16 48	445	20
5				455	457	458	461	465	468	466	467	462	455	444	440	449	460	465	460	447	445	445	448	451	452	456	454	455	0	4 53	470	11 28	438	32
6				453	455	458	458	460	462	461	459	449	438	434	434	438	452	459	455	446	445	447	448	449	451	454	456	451	0	6 01	467	11 00	432	35
7	✓	✓		456	457	456	458	459	461	464	470	467	457	452	454	460	464	460	458	457	452	450	451	451	454	452	454	457	0	7 58	475	18 18	449	26
8	✓			456	456	458	459	460	464	474	474	461	456	444	444	454	464	467	464	457	450	449	450	451	454	454	457	457	0	7 08	479	10 38	438	41
9	✓	✓		454	455	456	458	461	465	474	474	466	453	441	439	444	456	466	464	453	445	447	448	450	451	451	454	455	0	7 12	477	11 28	438	39
10	✓	✓		454	456	457	458	461	467	474	474	468	457	446	440	440	447	454	456	459	441	440	441	448	451	455	455	454	0	6 51	478	11 48	438	40
11			✓	455	456	457	468	470	473	476	484	486	462	443	440	429	431	435	440	444	443	442	448	448	454	457	454	454	1	8 05	505	12 33	424	81
12				451	454	455	458	460	465	469	468	466	459	465	457	450	445	449	450	449	448	448	450	451	452	457	457	456	0	6 37	477	13 13	440	37
13			✓	455	456	458	461	463	466	474	479	472	462	458	457	458	467	460	454	456	445	444	448	451	457	457	456	459	1	7 13	480	17 58	440	40
14				453	448	452	458	459	468	479	493	487	476	465	457	451	456	452	451	447	446	449	449	456	456	457	458	459	0	7 33	499	17 00	445	54
15	✓			457	456	457	458	462	468	471	478	470	469	456	459	475	476	466	458	449	448	448	448	450	452	453	456	460	0	7 40	478	17 04	446	32
16				456	456	457	457	458	459	459	459	457	455	453	452	454	447	458	469	467	457	450	448	449	449	451	455	456	0	15 45	475	13 53	437	38
17				456	455	448	449	449	457	461	467	467	462	459	464	467	459	447	445	447	443	446	450	450	453	450	456	454	0	8 40	475	18 00	438	37
18				452	452	455	455	452	459	470	475	472	466	460	457	459	467	468	456	446	443	443	446	447	447	447	449	456	0	6 55	477	16 30	407	70
19			✓	454	457	457	457	457	457	463	475	467	458	462	452	448	459	459	449	447	445	447	447	447	450	454	448	455	1	7 16	477	12 18	437	40
20				452	455	447	447	447	448	458	477	487	487	487	477	476	476	467	458	447	445	445	456	452	449	456	455	460	0	10 06	489	4 04	441	48
21	✓			453	454	455	454	454	455	459	464	461	456	455	449	443	449	467	463	450	445	446	447	450	450	451	451	453	0	14 50	470	12 48	441	29
22	✓	✓		451	450	450	450	454	454	463	468	464	458	458	451	450	449	445	449	444	439	440	444	444	445	447	448	451	0	8 00	471	17 48	438	33
23				450	453	454	454	460	466	476	474	455	441	434	442	450	454	458	460	449	444	448	449	450	451	455	456	453	0	6 52	481	10 04	429	52
24				456	458	458	458	461	467	477	480	470	459	453	451	454	460	458	448	446	443	439	446	447	451	453	453	456	0	7 28	483	18 31	438	45
25				455	456	458	459	461	467	478	479	475	466	454	443	446	448	450	451	442	441	444	444	446	448	450	453	455	0	6 58	484	17 15	438	46
26				453	454	456	460	461	464	464	464	457	449	444	440	436	437	441	443	450	449	445	446	447	449	450	451	450	0	7 22	467	12 24	433	34
27				453	453	454	458	459	463	469	477	472	471	464	455	450	454	455	450	448	447	445	445	446	447	448	448	455	0	7 51	478	18 38	444	34
28				448	449	450	446	453	461	464	465	463	457	451	453	456	455	450	447	441	437	439	440	445	451	453	454	451	0	7 33	469	17 28	436	33
29			✓	454	459	461	463	467	467	471	476	468	460	458	458	459	455	448	442	440	439	440	441	448	450	449	450	455	0	7 01	479	17 48	437	42
30			✓	444	450	457	459	459	465	476	483	477	467	463	464	460	448	444	447	444	439	440	444	449	450	452	450	455	1	7 05	486	17 58	436	50
31																																		
MEANS ALL DAYS				454	455	456	457	459	463	469	473	468	460	454	452	453	456	456	454	449	445	445	447	449	451	453	454	455						40
MEANS TEN DAYS ✲				455	456	456	458	460	463	468	471	465	457	452	450	454	458	460	458	452	446	447	448	450	451	452	454	456						32
MEANS FIVE DAYS † (G. M. T.)				454	455	455	457	460	463	469	471	466	456	451	448	451	456	458	457	452	445	448 448 445 447		450	451	453	454	455						
MEANS FIVE DAYS ‡ (G. M. T.)				452	456	458	462	463	466	472	479	474	462	457	454	451	452	449	446	446	442	443	444	448	450	452	453	455						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▽̄ = NO RECORD

TABLE 251

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1942 — JULY 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				446	439	437	443	449	450	449	466	477	473	472	463	457	450	448	439	436	442	447	447	448	449	450	450	451	1	7 55	483	2 28	433	50
2	✓	✓		450	449	452	452	454	457	466	478	480	473	466	473	478	462	449	447	444	443	446	447	447	448	448	448	457	0	8 21	483	16 58	440	43
3	✓	✓		450	452	452	453	457	458	463	465	460	455	456	456	462	461	453	440	437	443	448	446	446	449	450	450	453	0	7 09	468	16 28	436	32
4	✓	✓		449	450	452	455	457	461	468	473	469	465	459	460	468	471	462	457	446	442	441	443	444	446	446	448	456	0	7 08	475	17 22	440	35
5	✓	✓		448	451	452	454	455	457	459	456	453	450	451	462	476	471	455	445	437	439	441	441	440	443	445	447	451	0	12 52	485	16 32	436	49
6	✓			448	449	451	451	456	457	459	455	451	437	432	442	454	457	465	451	437	434	438	444	444	446	448	449	448	0	14 18	468	10 32	429	39
7	✓			449	451	452	453	457	461	465	466	459	454	450	447	446	440	442	438	429	431	438	443	435	445	445	445	448	0	7 09	471	16 53	426	45
8			✓	448	450	448	457	468	471	467	488	476	467	460	450	442	435	436	437	435	434	436	440	443	446	448	450	451	1	7 52	505	17 06	431	74
9				449	451	454	455	456	458	466	474	473	467	458	454	449	447	454	450	439	439	446	449	449	448	450	449	454	0	7 52	477	16 38	436	41
10				448	449	452	454	456	459	466	474	474	460	452	447	446	449	454	455	449	439	438	434	439	449	447	443	451	0	7 40	481	18 55	434	47
11			✓	437	427	423	435	430	445	450	478	489	478	465	449	447	454	452	444	429	436	438	442	445	447	446	449	447	1	8 31	496	2 17	417	79
12				452	454	453	457	460	465	465	466	462	456	457	458	454	446	438	434	436	443	447	445	448	447	448	446	452	1	7 07	475	15 15	430	45
13				446	444	441	444	449	457	469	478	475	465	462	462	462	460	454	452	449	446	447	446	445	446	447	446	454	0	7 42	482	2 18	438	44
14				446	445	444	448	446	452	458	466	468	474	473	462	458	457	453	442	439	444	442	443	443	444	446	446	452	0	9 03	479	16 02	437	42
15			✓	442	448	447	444	445	446	452	468	476	474	474	468	458	456	451	444	446	445	437	437	443	449	450	449	452	1	9 06	483	18 48	435	48
16				445	449	449	448	448	453	460	477	487	480	473	467	450	443	446	448	443	449	443	446	445	446	448	449	454	0	8 57	492	17 28	436	56
17				446	448	449	450	452	453	453	458	460	467	468	464	460	454	453	451	449	446	446	447	446	447	447	448	453	0	10 25	473	17 52	444	29
18	✓			447	446	447	445	449	455	456	465	464	467	468	459	466	460	456	453	449	444	439	442	443	444	445	447	452	0	10 02	475	18 41	438	37
19	✓	✓		447	449	449	452	453	452	443	437	436	432	429	439	443	446	444	439	439	438	441	441	442	442	444	445	443	0	4 38	454	9 58	427	27
20			✓	448	451	445	453	462	457	465	458	459	455	456	456	453	449	438	427	428	437	445	449	445	447	453	452	450	1	6 37	474	15 46	425	49
21				449	452	454	453	455	458	466	476	471	464	455	453	456	454	451	437	435	438	438	441	443	445	447	449	452	0	7 21	478	16 03	432	46
22	✓			449	451	452	454	454	456	456	459	456	457	456	449	448	457	453	444	440	439	439	439	440	444	446	449	449	0	6 48	468	18 18	437	31
23	✓			449	449	449	454	456	455	451	456	457	449	458	458	461	456	449	436	436	437	438	441	440	444	446	443	449	0	12 03	466	15 42	433	33
24				447	449	450	453	457	459	460	461	456	453	452	458	467	464	452	439	436	436	436	442	446	448	449	445	451	0	12 48	469	16 46	433	36
25				445	442	443	448	452	463	470	480	487	476	464	451	463	452	435	437	436	437	436	441	445	446	447	448	452	0	8 14	495	14 52	432	63
26				448	448	448	453	457	459	467	473	467	457	456	455	468	458	440	430	424	426	435	438	444	449	446	438	449	0	7 54	477	16 09	423	54
27			✓	439	443	443	453	457	462	473	475	471	466	458	452	452	453	436	427	436	436	434	437	443	446	445	445	449	1	6 53	482	15 13	424	58
28				440	441	448	453	458	459	471	486	478	465	462	460	450	452	444	428	433	438	441	445	443	445	448	448	452	0	7 32	491	15 38	426	65
29				446	445	445	448	451	458	465	468	463	458	456	449	450	461	459	449	444	443	445	439	443	446	445	448	451	0	6 41	473	19 40	437	36
30				448	447	446	446	450	454	462	466	460	457	455	457	467	463	449	440	438	443	442	445	445	444	445	445	451	0	12 56	471	16 08	437	34
31				442	447	448	452	453	458	464	468	465	458	449	447	455	460	454	443	435	433	436	437	442	444	447	447	449	0	7 25	472	17 08	432	40
MEANS ALL DAYS				447	447	448	451	454	457	461	468	467	462	458	456	457	455	449	442	438	439	441	442	444	446	447	447	451						45
MEANS TEN DAYS ✲				449	450	451	452	455	457	459	461	458	454	452	454	460	458	453	445	439	439	441	443	442	445	446	447	450						37
MEANS FIVE DAYS † (G. M. T.)				449	450	451	453	455	457	460	462	460	455	452	458	465	462	453	446	441	441	444 443	445 444	446	447	448	449	452						
MEANS FIVE DAYS ‡ (G. M. T.)				443	444	441	448	452	456	461	473	474	468	463	455	450	449	443	436	435	438	438	440	441	446	446	443	449						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 252

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1942 — AUGUST 1942

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			447	448	451	451	452	453	449	449	450	449	452	466	474	469	456	448	444	438	437	437	439	442	445	445	450	0	12	42	476	19 10	435	41
2	✓			446	447	449	453	455	455	451	449	453	463	462	456	473	473	465	459	446	436	438	437	439	443	445	446	452	0	12	51	477	17 44	434	43
3				448	446	449	452	451	450	449	447	441	447	452	452	461	455	444	442	441	442	442	441	444	445	445	446	447	0	12	41	465	8 33	438	27
4	✓	✓		447	447	447	449	453	454	456	459	460	461	464	469	467	467	459	449	446	440	437	438	439	444	446	446	452	0	11	17	474	18 11	435	39
5	✓			446	447	448	449	453	455	457	454	438	433	433	433	434	443	449	449	449	446	442	442	440	443	445	446	445	0	6	58	460	9 14	429	31
6				446	448	451	454	454	459	472	475	465	458	452	442	444	448	445	447	443	438	437	436	442	443	445	444	450	0	7	38	478	19 52	434	44
7				447	446	445	448	457	465	472	470	466	456	445	442	447	455	455	448	444	446	443	443	443	444	445	445	451	1	6	48	479	16 28	439	40
8	✓	✓		445	446	447	452	454	458	462	465	458	451	453	462	463	463	466	460	448	438	442	443	442	442	442	443	452	0	14	53	467	17 48	437	30
9				444	445	446	448	452	455	458	456	444	435	439	441	447	458	458	455	448	443	441	440	442	443	444	443	447	0	13	38	463	9 25	432	31
10			✓	442	438	438	445	449	455	468	482	471	455	451	442	457	457	462	448	442	441	445	442	440	442	443	442	450	1	7	35	487	11 05	430	57
11				438	440	440	443	447	453	456	457	450	449	448	455	458	459	457	456	453	446	444	442	442	444	442	440	448	0	7	31	462	2 45	435	27
12				440	440	438	442	447	453	458	455	443	430	428	435	446	448	450	455	452	444	444	443	444	443	446	446	445	0	6	52	460	10 11	426	34
13	✓	✓		446	448	449	452	453	459	468	463	453	443	442	446	449	463	459	450	445	438	438	439	442	443	443	445	449	0	6	28	469	17 30	437	32
14	✓			443	443	444	445	444	450	452	446	437	438	438	444	462	470	466	453	443	437	440	440	442	443	444	443	446	0	13	18	473	8 59	434	39
15				443	445	446	448	452	456	465	466	461	457	457	461	467	465	459	447	446	443	443	445	443	448	448	442	452	0	12	41	471	18 02	437	34
16			✓	438	443	449	454	457	463	469	475	476	469	464	463	468	463	452	432	442	440	438	439	440	445	443	443	453	1	6	55	482	15 24	426	56
17				443	446	451	452	456	463	469	465	452	445	438	438	442	443	443	443	436	439	442	441	440	443	443	443	446	1	7	13	475	11 21	430	45
18			✓	445	442	441	448	447	453	456	464	449	441	438	437	442	450	449	445	442	439	438	437	439	440	442	443	444	1	7	08	473	11 21	435	38
19			✓	443	443	440	448	453	463	469	469	463	453	453	453	461	463	467	463	454	444	443	439	435	438	445	443	452	1	7	03	478	20 53	433	45
20				443	446	449	453	458	465	473	473	464	458	458	462	460	456	449	448	443	440	443	442	440	443	442	444	452	1	6	47	483	17 22	438	45
21				446	445	448	453	457	456	454	453	447	445	440	447	455	472	480	470	457	453	446	442	442	445	445	440	452	0	14	38	482	23 56	436	46
22				435	441	447	448	452	455	455	445	432	426	427	435	453	474	486	472	453	445	443	447	441	443	438	443	447	0	14	23	488	9 34	423	65
23			✓	442	444	446	449	454	459	467	462	441	435	440	435	435	445	456	463	449	444	448	444	443	440	440	441	447	1	6	56	471	9 47	419	52
24				442	446	448	451	454	462	473	473	468	462	454	448	452	453	465	462	450	445	443	443	445	444	443	439	453	1	7	01	478	23 44	437	41
25				429	438	446	449	452	458	470	469	461	457	449	439	437	445	454	452	439	439	441	443	444	444	445	445	448	1	6	55	475	0 53	423	52
26				440	446	448	448	453	463	472	469	455	446	439	435	434	436	443	446	447	447	444	446	446	445	447	444	447	0	7	11	476	11 32	429	47
27				444	441	438	447	454	463	473	473	465	463	459	457	457	452	449	444	444	442	441	439	441	444	444	444	451	0	7	09	478	1 55	435	43
28	✓	✓		444	444	444	446	446	449	451	453	454	446	439	445	453	454	454	457	453	444	443	443	443	443	443	443	447	0	15	58	458	10 18	437	21
29	✓	✓		443	443	443	446	448	450	448	448	444	443	440	443	450	452	449	446	445	440	440	444	442	441	441	440	445	0	13	31	454	17 38	436	18
30	✓			436	436	436	440	445	447	453	455	449	436	430	432	436	433	435	435	441	439	440	441	440	439	439	440	440	0	7	33	456	13 30	426	30
31				440	437	438	442	445	450	463	473	474	458	453	454	456	454	454	452	450	444	444	444	442	441	441	440	450	0	8	25	481	1 38	434	47
MEANS ALL DAYS				443	444	445	449	452	456	462	462	454	449	446	447	453	456	456	451	446	442	442	441	441	443	444	443	449							40
MEANS TEN DAYS ✻				444	445	446	448	450	453	455	454	450	446	445	450	456	459	456	451	446	440	440	440	441	442	443	444	448							32
MEANS FIVE DAYS † (G. M. T.)				445	446	446	449	451	454	457	458	454	449	448	453	456	460	457	452	447	440	443 440	442 441	443	444	445	445	449							
MEANS FIVE DAYS ‡ (G. M. T.)				442	442	443	449	452	459	466	470	460	451	449	446	453	456	457	450	446	442	442	442	441	443	443	443	449							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 253

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1942

SEPTEMBER 1942

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				438	437	439	441	444	450	461	466	466	456	443	432	430	436	437	441	444	442	441	441	440	437	437	438	443	0	8 00	471	11 53	423	48
2				440	434	427	441	449	455	463	461	457	454	451	451	452	452	445	437	437	437	436	440	439	440	438	439	445	0	6 43	471	2 08	423	48
3	✓			438	441	443	447	452	456	460	459	452	445	443	449	454	454	447	442	440	436	435	435	435	436	435	434	444	0	7 03	463	23 20	433	30
4				436	436	440	444	447	450	453	451	450	440	433	436	451	463	469	462	446	441	437	436	437	439	439	433	445	0	14 51	471	23 37	432	39
5				434	437	440	440	436	441	441	437	436	437	443	448	453	458	455	454	444	439	439	437	437	436	437	436	441	0	13 41	463	0 13	433	30
6			✓	435	432	433	426	439	445	442	445	442	444	433	433	453	452	453	455	452	445	440	439	439	440	440	439	442	1	12 52	462	3 51	418	44
7				440	439	440	442	443	446	452	450	444	447	454	460	473	465	456	453	446	438	437	437	439	436	437	438	446	0	12 52	473	19 31	434	39
8				436	435	436	442	445	445	445	440	436	434	440	446	451	456	453	441	439	436	437	436	437	436	436	437	441	0	13 18	460	9 23	432	28
9	✓			437	433	435	436	440	449	455	453	444	433	420	422	427	432	436	440	441	435	436	436	435	437	436	435	437	0	6 44	458	10 34	417	41
10	✓			436	436	435	439	443	444	442	444	445	443	434	434	451	460	451	440	437	440	441	440	438	438	440	437	441	0	13 48	461	10 52	431	30
11			✓	432	434	439	442	444	444	450	447	447	451	449	444	445	444	436	433	441	431	434	440	445	441	430	431	441	1	6 53	458	22 40	422	36
12			✓	439	446	440	442	446	447	450	449	454	460	456	445	452	448	431	430	435	437	440	439	439	439	444	443	444	1	9 26	466	14 58	427	39
13				441	442	442	443	439	446	447	443	442	446	436	430	432	433	430	429	433	431	443	437	440	441	434	437	438	0	9 38	456	17 38	425	31
14				441	445	445	443	446	449	455	461	465	473	465	454	450	453	449	439	439	442	442	440	440	441	444	437	448	1	9 47	481	23 22	432	49
15				434	434	438	441	446	447	450	453	452	453	458	457	451	454	453	448	444	441	436	435	434	441	439	440	445	1	11 09	465	1 11	429	36
16				435	440	439	443	444	447	445	440	435	439	440	447	449	455	454	450	442	434	426	436	435	437	434	435	441	1	13 47	458	18 28	425	33
17			✓	433	434	440	441	449	449	448	457	459	464	464	459	461	460	454	443	436	433	440	442	440	437	434	434	446	1	10 01	476	1 07	428	48
18				431	433	433	440	444	445	440	434	434	436	440	449	448	454	446	435	434	432	434	438	440	432	428	436	438	1	13 52	457	21 48	425	32
19				437	437	435	443	446	450	451	448	443	440	433	442	451	452	448	441	437	436	436	436	437	439	440	440	442	1	7 28	456	2 07	427	29
20				436	439	439	443	446	447	444	442	446	445	449	454	461	470	464	452	446	438	436	433	436	433	433	430	444	1	13 40	473	23 50	428	45
21			✓	430	437	438	441	443	443	449	451	453	447	446	457	465	464	449	436	433	433	437	438	438	440	440	435	443	1	13 08	473	0 04	427	46
22				427	433	438	441	442	446	452	452	446	442	441	448	446	451	441	436	431	430	431	437	436	438	440	440	440	0	12 38	460	0 24	424	36
23	✓			440	440	439	441	442	443	447	446	446	446	447	454	455	452	450	445	441	436	433	431	437	438	437	437	443	0	12 20	459	19 18	427	32
24	✓			439	437	437	437	441	442	446	442	441	441	446	450	441	437	440	428	428	428	433	436	437	437	436	437	438	0	11 18	451	15 52	427	24
25	✓	✓		436	437	436	437	437	441	444	446	447	447	451	452	452	447	443	441	442	437	434	438	438	438	436	437	441	0	11 45	455	18 08	433	22
26	✓	✓		436	434	434	434	434	437	439	439	441	434	427	431	426	425	428	436	439	441	436	437	437	440	440	440	435	0	8 25	445	12 18	423	22
27				438	439	437	439	441	443	439	439	439	435	433	435	434	430	426	426	431	433	430	434	436	437	437	436	435	0	5 18	445	14 34	423	22
28	✓	✓		435	435	436	436	436	437	435	436	440	442	437	433	433	436	443	444	441	437	437	436	439	441	439	438	438	0	15 39	445	11 48	430	15
29	✓	✓		437	436	435	436	437	440	437	440	439	439	441	447	444	447	445	438	432	433	434	436	436	436	436	435	438	0	11 38	451	16 41	431	20
30	✓	✓		434	431	434	434	438	440	440	439	440	443	445	450	455	458	457	453	443	434	434	434	435	437	436	434	441	0	13 42	461	1 03	430	31
31																																		
MEANS ALL DAYS				436	437	437	440	443	445	447	447	446	445	443	445	448	450	446	442	439	436	436	437	438	438	437	437	441						34
MEANS TEN DAYS *				437	436	436	438	440	443	444	444	444	441	439	442	444	445	444	441	438	436	435	436	437	438	437	436	440						27
MEANS FIVE DAYS † (G. M. T.)				436	435	435	435	436	439	439	440	441	441	440	443	442	443	443	442	439	436	434 435	436 436	437	438	437	437	439						
MEANS FIVE DAYS ‡ (G. M. T.)				434	437	438	438	444	446	448	450	451	453	450	448	455	454	445	439	439	436	438	437	438	437	435	434	443						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 254

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1942 — OCTOBER 1942

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		432	432	431	433	433	434	435	432	429	429	433	440	445	443	444	441	430	426	431	435	436	440	440	434	435	0	14	36	448	17 10	424	24
2			✓	431	427	423	424	429	440	444	442	434	440	452	452	456	444	457	454	444	437	440	444	443	440	425	427	440	2	12	36	470	8 09	417	53
3			✓	429	431	429	434	440	438	438	436	433	443	454	455	459	455	442	432	431	438	441	441	440	438	440	435	440	1	12	51	467	0 10	424	43
4				433	435	434	435	435	433	431	429	432	436	446	452	457	463	462	458	449	436	438	444	441	441	439	439	442	1	14	25	464	7 45	424	40
5				435	434	434	432	431	421	412	410	419	425	427	443	443	441	441	433	425	425	431	434	435	438	438	438	431	1	11	47	452	6 58	407	45
6	✓			438	436	436	435	436	435	434	433	436	439	445	453	454	463	455	446	436	433	438	439	440	437	438	438	441	0	13	42	466	7 18	431	35
7				434	425	430	433	434	440	441	443	442	439	449	456	453	453	449	441	438	441	439	441	439	439	435	433	440	0	11	48	459	1 35	423	36
8				432	430	430	430	430	432	429	429	426	426	432	441	447	444	435	431	428	430	436	441	440	438	438	435	434	0	12	18	450	9 28	424	26
9	✓	✓		431	429	428	431	433	435	436	440	442	439	442	437	434	435	439	439	440	435	436	438	436	436	435	432	436	0	10	12	445	1 32	425	20
10	✓			427	427	427	426	429	434	438	439	440	439	441	443	450	451	445	438	435	433	439	440	440	438	436	435	437	0	13	02	457	3 08	424	33
11				433	432	432	433	436	441	438	433	428	419	415	414	414	422	424	421	423	431	442	443	443	440	438	432	430	0	18	58	446	12 10	409	37
12			✓	428	429	426	429	432	430	437	443	440	441	447	452	454	441	435	429	428	428	433	439	433	435	437	435	436	1	12	20	464	5 40	420	44
13				435	435	434	436	433	438	444	455	457	464	469	486	483	469	455	444	435	436	438	439	440	440	439	439	448	1	11	28	493	4 38	432	61
14				436	430	429	429	429	432	436	439	444	454	464	453	447	450	453	449	446	440	439	441	439	439	438	435	441	1	10	35	472	3 28	424	48
15				429	433	433	434	439	439	440	446	447	451	463	468	462	464	453	439	430	425	428	434	431	436	439	436	442	1	11	13	473	17 30	424	49
16				434	431	426	426	432	433	429	429	429	431	450	449	443	435	424	412	412	419	430	433	434	434	434	434	431	1	10	56	463	15 30	408	55
17				429	432	431	431	433	432	427	425	423	429	439	444	449	451	448	435	430	424	430	432	434	431	434	431	434	0	13	35	455	8 16	421	34
18				430	431	431	432	434	434	427	420	419	420	434	446	464	452	440	430	423	424	431	431	433	434	434	434	433	1	12	30	468	9 18	413	55
19				430	422	423	428	426	425	422	422	423	431	440	439	449	450	450	439	427	425	431	434	435	436	431	432	432	1	13	55	456	7 14	415	41
20				433	429	433	432	433	432	425	429	436	445	457	463	464	469	455	452	435	429	432	433	434	434	435	433	440	0	13	52	472	7 12	422	50
21	✓			431	431	431	432	433	433	426	426	429	434	449	459	459	455	455	448	437	431	433	434	433	433	432	431	437	0	11	53	463	7 08	422	41
22	✓	✓		430	430	431	432	433	431	421	415	415	422	429	441	452	444	434	430	426	428	431	434	435	433	431	429	431	0	12	41	455	7 48	411	44
23	✓	✓		426	424	423	425	427	425	418	427	432	438	443	452	459	461	459	443	431	429	431	435	435	435	432	431	435	0	14	08	465	6 18	415	50
24	✓	✓		430	426	425	425	424	421	420	425	430	439	448	454	449	443	439	432	431	429	433	434	433	431	428	424	432	0	11	58	455	5 54	418	37
25				420	412	405	414	423	421	415	424	433	436	449	451	447	442	438	432	425	428	435	439	439	438	435	433	431	1	11	21	455	2 18	404	51
26	✓			430	428	427	428	430	431	422	421	425	438	447	450	447	447	445	438	428	425	429	433	434	432	433	430	433	0	11	28	455	7 12	420	35
27	✓			428	427	427	428	430	430	423	422	421	434	447	456	455	454	448	431	420	419	426	432	433	433	432	429	433	0	11	33	460	16 33	416	44
28			✓	427	427	425	425	425	425	415	416	426	435	452	450	448	445	448	451	455	453	469	456	451	449	445	441	440	2	18	38	475	6 58	408	67
29			✓	431	413	400	414	422	413	402	422	440	454	481	483	466	461	455	451	448	443	447	452	446	443	436	433	440	1	10	42	496	2 21	393	103
30				425	418	423	421	420	421	423	431	442	455	464	466	464	461	457	449	438	434	434	439	438	432	430	430	438	1	10	54	480	1 21	412	68
31				428	429	425	424	429	431	421	421	422	440	448	454	454	454	452	441	434	430	433	434	432	433	432	428	435	1	11	10	463	7 04	414	49
MEANS ALL DAYS				430	428	427	429	431	431	428	430	432	438	447	452	452	450	446	439	433	431	436	438	437	437	435	433	436							46
MEANS TEN DAYS ✲				430	429	429	430	431	431	427	428	430	435	442	448	450	450	446	439	431	429	433	435	436	435	434	431	435							36
MEANS FIVE DAYS † (G. M. T.)				430	428	428	429	430	429	426	428	430	433	439	445	448	445	443	437	432	429	433 432	436 435	436	435	434	432	434							
MEANS FIVE DAYS ‡ (G. M. T.)				429	425	421	425	430	429	427	432	435	443	457	458	457	449	447	443	441	440	446	442	441	440	436	433	439							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 255

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1942

NOVEMBER 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1				424	421	421	420	427	427	428	433	442	454	462	461	459	452	445	442	434	431	434	434	435	435	432	428	437	0	10 25	468	3 14	415	53
2				424	423	423	421	421	419	414	418	423	443	459	468	468	464	449	440	434	432	436	439	435	431	431	429	435	0	13 21	472	6 02	413	59
3				426	424	424	424	425	428	429	442	451	462	462	463	454	451	451	449	439	435	439	434	431	432	432	430	439	0	11 11	467	1 26	422	45
4				425	422	419	420	423	421	407	421	434	448	460	468	469	468	459	441	425	423	430	433	432	430	429	426	435	0	12 41	472	6 39	394	78
5	✓			425	423	422	423	425	423	413	416	423	428	436	438	445	442	435	430	430	433	442	443	439	431	429	428	430	0	13 11	451	6 21	412	39
6	✓			423	422	422	424	426	424	422	422	428	432	433	433	434	434	440	435	431	432	432	432	432	429	428	426	429	0	14 33	443	6 52	421	22
7	✓			422	419	418	422	422	418	415	417	428	439	443	440	436	430	420	419	414	423	431	431	435	435	435	435	427	0	11 00	447	16 32	412	35
8				431	423	423	420	421	428	424	434	438	452	457	457	452	442	429	420	414	423	431	434	435	437	434	434	433	1	11 05	464	16 21	412	52
9	✓	✓		431	428	428	428	425	421	414	413	421	439	451	451	438	423	422	419	420	426	434	434	434	435	435	433	429	0	10 54	455	7 28	411	44
10				429	428	423	423	421	415	408	421	441	454	469	472	460	444	441	432	423	419	431	433	435	438	431	431	434	1	11 47	478	6 21	406	72
11				426	425	423	420	421	419	418	431	440	449	448	454	451	449	440	426	422	422	424	432	434	435	430	428	432	0	11 50	458	6 08	413	45
12				424	421	421	421	422	415	409	414	423	434	442	442	444	439	434	430	426	429	430	438	438	438	434	431	429	0	12 11	448	6 18	406	42
13				425	422	419	419	423	421	414	419	429	443	445	447	451	439	439	435	432	432	432	436	435	434	433	430	431	0	12 11	461	6 51	411	50
14				424	414	421	417	424	428	422	428	438	452	461	464	464	458	449	438	432	434	435	434	429	429	428	424	435	1	12 20	474	1 21	411	63
15				422	422	420	420	422	422	414	418	429	439	441	439	432	429	434	439	438	432	432	435	432	429	428	429	429	0	9 41	445	6 33	412	33
16	✓	✓		425	423	422	423	425	426	422	423	425	434	433	434	429	429	433	438	433	426	426	427	428	428	426	424	428	0	15 16	440	2 51	421	19
17	✓	✓		422	417	416	416	420	420	416	419	431	449	455	453	445	439	444	445	435	429	433	434	433	429	426	423	431	0	10 02	458	6 51	413	45
18				422	419	416	414	418	416	408	409	415	424	431	429	430	433	442	435	425	423	430	429	429	428	425	423	424	0	14 26	445	7 18	406	39
19	✓	✓		419	415	414	415	415	415	412	414	421	432	438	439	436	429	423	414	409	415	429	430	429	426	424	422	422	0	12 02	442	6 28	409	33
20				416	413	413	414	413	413	410	411	424	432	438	450	449	442	432	426	426	426	432	438	435	435	430	429	427	1	11 56	462	7 08	406	56
21	✓			428	421	423	425	424	423	418	421	427	429	439	449	448	438	431	421	414	414	424	431	431	430	427	425	428	0	11 51	453	17 08	412	41
22	✓	✓		425	424	424	423	422	418	411	412	415	423	437	454	461	451	438	424	414	417	428	434	429	428	426	422	428	0	12 01	464	6 53	409	55
23			✓	416	412	412	410	413	408	398	395	404	421	428	429	413	421	425	434	439	445	445	439	444	436	433	422	423	1	20 38	453	7 29	391	62
24			✓	414	395	392	385	386	408	418	435	451	460	464	469	464	451	452	442	424	426	432	440	442	437	430	424	431	1	10 52	475	4 08	375	100
25			✓	422	420	421	419	419	408	403	408	421	440	452	463	451	437	431	433	434	434	433	435	438	435	424	423	429	1	11 26	476	5 51	401	75
26			✓	426	425	423	421	413	413	414	424	441	450	453	464	455	443	452	454	437	436	437	435	434	433	431	427	435	1	12 18	472	6 18	410	62
27				424	422	419	417	413	420	412	422	444	452	454	457	453	442	432	433	430	429	430	434	435	434	434	432	432	0	11 00	459	4 22	408	51
28			✓	424	420	421	422	422	420	411	421	429	440	445	470	459	445	421	417	421	430	435	439	434	433	434	428	431	1	11 29	478	6 48	410	68
29				428	426	425	421	423	424	417	423	441	455	474	482	485	472	454	444	435	431	430	432	432	431	428	424	439	1	12 25	491	6 21	414	77
30	✓			421	418	417	420	424	424	408	408	416	433	449	453	451	452	452	447	436	432	432	432	431	428	428	425	431	0	10 57	455	6 51	402	53
31																																		
MEANS ALL DAYS				424	420	420	419	420	420	414	420	430	441	449	453	450	443	438	433	428	428	432	434	434	432	430	427	431						52
MEANS TEN DAYS ✲				424	421	421	422	423	421	415	416	424	434	441	444	442	437	434	429	424	425	431	433	432	430	428	426	428						39
MEANS FIVE DAYS † (G. M. T.)				424	421	421	421	421	420	415	416	423	435	443	446	442	434	432	428	422	423	429 430	431 432	431	430	428	427	428						
MEANS FIVE DAYS ‡ (G. M. T.)				420	414	414	411	411	411	409	417	429	442	448	459	448	439	436	436	431	434	436	436	438	434	429	425	430						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 256

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1942

DECEMBER 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				420	417	415	417	421	414	403	408	419	429	434	448	452	447	438	434	428	423	423	431	429	428	428	428	426	0	12	01	461	6 21	400	61
2	✓			426	424	423	422	421	414	405	412	422	427	434	441	443	441	431	427	420	420	423	430	431	431	430	428	426	0	12	38	447	6 28	404	43
3				425	423	424	423	421	416	404	417	428	428	433	450	449	448	438	424	416	416	421	430	431	433	432	430	428	0	11	42	457	6 28	403	54
4				427	427	423	421	423	420	413	426	442	442	445	449	451	446	436	432	427	428	430	431	433	431	427	426	432	1	12	54	454	6 18	411	43
5	✓			424	421	420	420	419	413	401	410	430	447	457	465	453	442	431	421	417	421	426	428	427	423	421	419	427	0	11	28	469	6 32	399	70
6	✓			415	414	414	417	417	413	411	413	421	433	447	452	450	447	444	436	430	430	427	430	428	423	420	416	427	0	11	34	455	6 28	409	46
7				412	412	413	413	412	413	411	419	438	452	458	459	452	444	432	436	437	438	438	436	434	429	424	421	431	0	10	22	467	6 12	409	58
8				415	412	411	408	415	416	409	412	421	433	444	452	443	433	443	442	439	434	442	441	438	436	428	423	429	1	11	07	457	3 28	405	52
9			✓	419	412	413	416	414	413	406	404	414	422	421	442	442	433	430	430	441	440	435	440	442	441	437	424	426	1	11	31	460	7 30	403	57
10			✓	421	418	416	411	420	421	412	418	427	434	440	447	437	430	428	428	428	429	432	435	433	432	428	419	427	1	11	44	450	3 33	407	43
11				416	416	418	420	416	415	405	413	424	439	445	448	443	441	436	433	432	432	431	431	432	430	429	427	428	0	11	02	452	6 28	403	49
12				423	418	410	407	412	411	408	416	424	441	453	460	453	443	431	420	418	421	427	431	431	430	429	427	427	1	11	16	467	3 51	404	63
13	✓			424	421	420	420	420	416	401	402	418	421	430	423	422	422	422	418	418	421	429	433	434	431	430	427	422	0	10	53	440	7 05	399	41
14				423	419	413	414	414	411	402	401	412	428	438	445	444	440	431	424	421	424	430	433	432	431	428	423	424	0	11	48	449	7 27	398	51
15				420	417	413	416	418	414	407	411	419	423	432	441	441	435	427	416	411	413	423	434	434	431	428	425	423	0	11	56	447	6 15	404	43
16				420	419	419	417	417	414	407	414	416	420	431	439	443	441	430	423	420	427	429	430	428	427	424	423	424	0	12	22	448	6 31	404	44
17	✓	✓		420	416	413	413	414	411	407	422	439	443	447	460	463	450	440	427	414	411	420	427	424	423	420	420	427	0	12	02	470	6 14	404	66
18	✓	✓		419	417	415	414	413	409	399	411	428	442	448	461	459	451	437	428	417	411	420	424	424	422	420	417	425	0	11	34	463	6 14	397	66
19	✓	✓		414	413	411	411	411	409	404	413	428	439	447	455	454	450	435	422	418	418	422	425	425	425	417	416	424	0	11	51	457	6 14	401	56
20				414	412	411	411	411	409	402	405	413	427	443	448	443	433	418	408	407	413	423	429	434	427	420	417	420	0	11	15	450	6 38	401	49
21			✓	413	406	404	400	401	393	388	395	419	432	451	450	455	446	424	408	407	418	427	431	428	423	420	421	419	1	12	51	470	6 31	387	83
22				417	413	411	407	411	407	401	409	419	431	436	452	459	458	[illegible]	423	415	413	418	424	423	423	422	422	423	1	12	51	463	6 15	394	69
23			✓	417	411	411	406	407	408	408	410	420	433	449	452	458	444	439	431	416	413	422	428	427	426	424	420	424	1	12	10	467	3 58	400	67
24				419	414	410	407	407	411	395	403	429	440	451	460	464	463	447	437	430	428	424	429	428	432	424	423	428	1	13	10	472	6 38	392	80
25				420	420	416	412	411	411	399	404	419	430	440	439	444	446	437	418	415	420	424	430	431	431	428	418	423	0	12	06	450	6 38	397	53
26			✓	414	412	405	404	403	404	398	409	409	415	427	451	453	434	421	421	419	421	429	427	430	429	429	423	420	1	12	14	463	6 25	395	68
27				418	414	414	415	416	416	410	417	422	429	432	440	433	418	407	410	408	416	421	426	427	425	422	420	420	0	11	57	447	14 43	404	43
28				415	413	413	414	414	413	409	419	433	450	461	459	449	439	439	430	417	419	419	423	423	422	422	421	426	0	10	39	467	6 28	407	60
29	✓			418	414	413	413	414	412	404	414	430	444	451	447	442	431	433	439	432	420	421	424	427	425	422	421	425	0	10	34	453	6 31	402	51
30	✓	✓		420	416	416	415	415	413	404	410	421	424	436	452	449	438	431	424	423	424	425	427	428	425	423	421	424	0	11	53	454	6 12	403	51
31	✓	✓		417	413	412	411	412	411	411	417	428	432	443	452	442	429	436	439	425	423	423	423	424	421	421	418	424	0	11	19	453	6 10	409	44
MEANS ALL DAYS				419	416	414	413	414	412	405	411	424	433	442	450	448	441	433	426	421	422	426	430	430	428	425	422	425							56
MEANS TEN DAYS ✲				420	417	416	416	416	412	405	412	426	435	444	451	448	440	434	428	421	420	424	427	427	425	422	420	425							53
MEANS FIVE DAYS † (G. M. T.)				418	415	413	413	413	411	405	415	429	436	444	456	453	444	436	428	419	417	423 422	426 425	426	424	422	420	425							
MEANS FIVE DAYS ‡ (G. M. T.)				417	412	410	407	409	408	402	407	418	427	438	448	449	437	428	424	422	424	429	433	434	432	427	421	423							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 257

HORIZONTAL INTENSITY

JANUARY 1942

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		452	450	448	452	457	460	457	472	497	536	546	540	534	490	480	467	457	460	457	456	453	454	456	457	474	0	10	46 552	2	14 446	106
2				467	467	467	468	458	466	467	460	488	496	507	452	403	420	449	427	431	416	420	428	450	440	427	422	450	1	9	13 554	12	02 374	180
3			✓	408	411	412	413	416	422	430	442	469	516	545	544	542	508	466	426	396	395	404	411	412	422	419	419	444	1	9	54 579	16	32 383	196
4			✓	442	449	444	445	439	438	441	476	476	527	499	522	513	547	467	422	392	358	397	413	408	403	423	418	448	1	13	34 573	17	18 348	225
5			✓	416	420	425	426	426	423	433	461	510	544	589	575	558	504	438	418	422	422	422	432	430	429	426	426	457	0	10	49 623	18	07 409	214
6				421	422	422	425	424	424	436	459	491	535	582	582	565	533	479	446	427	416	416	423	430	429	428	428	460	0	10	47 613	17	48 411	202
7				444	437	438	437	435	436	434	443	454	485	496	500	487	457	436	431	429	434	438	440	443	444	443	441	448	0	10	56 517	14	48 420	97
8	✓			439	438	436	436	436	441	458	475	509	550	570	575	570	546	499	458	444	441	470	466	456	449	451	450	478	0	10	57 582	2	56 435	147
9				450	446	441	440	439	441	444	450	470	509	552	568	550	535	503	485	448	448	445	440	451	457	452	446	471	0	11	43 575	19	36 436	139
10				444	437	439	442	444	447	450	469	494	536	583	592	547	537	495	455	428	429	439	443	445	442	440	440	472	0	11	31 628	17	00 420	208
11				439	444	446	448	452	449	445	439	493	543	598	627	629	582	527	476	443	430	441	446	444	439	441	438	482	0	11	52 654	17	01 424	230
12				440	442	444	441	446	446	441	451	499	548	587	598	582	589	529	470	454	448	441	441	440	442	441	441	479	0	13	44 640	7	26 433	207
13				438	435	433	438	441	445	448	458	492	518	569	617	588	538	495	464	445	450	456	463	470	470	465	460	479	0	11	40 681	2	12 430	251
14				459	456	457	457	460	464	472	474	485	512	533	558	574	568	537	514	475	447	449	454	453	452	449	446	484	0	12	25 585	18	01 439	146
15				448	462	454	457	452	462	468	466	478	512	493	484	485	484	496	495	476	452	442	436	434	433	437	440	464	1	9	39 555	21	18 431	124
16				448	444	441	440	439	448	458	464	470	511	549	528	481	450	454	433	444	447	435	428	421	424	430	438	455	0	10	25 561	13	29 413	148
17			✓	429	421	421	440	425	441	429	446	501	537	554	532	489	442	418	428	454	470	468	456	433	396	396	407	451	0	10	01 573	22	01 376	197
18			✓	415	414	413	431	430	438	457	476	522	559	565	542	493	466	455	451	423	396	402	408	408	427	417	417	451	1	11	02 586	17	15 386	200
19				435	422	425	429	426	429	448	481	527	569	588	580	528	483	448	428	426	433	428	426	430	429	431	431	462	0	11	01 606	1	32 419	187
20	✓			430	432	433	432	433	436	449	480	529	576	598	586	538	481	445	442	428	427	435	438	437	435	437	438	466	0	10	59 608	17	00 423	185
21	✓	✓		440	439	438	438	440	439	436	453	506	572	624	637	611	518	445	405	402	434	447	445	445	439	436	429	472	0	11	25 643	16	08 392	251
22				426	429	439	443	448	452	460	476	507	538	542	516	499	464	450	449	439	433	423	417	419	422	421	430	456	0	10	55 558	19	35 414	144
23				439	434	432	433	436	442	446	466	509	545	570	570	562	530	502	480	468	456	443	437	437	439	439	437	473	0	10	20 581	2	06 431	150
24	✓	✓		437	440	443	444	447	452	463	478	508	538	559	557	539	510	486	464	452	445	440	442	446	449	452	450	473	0	11	09 566	0	09 436	130
25				450	451	455	458	454	449	460	462	494	532	567	592	582	562	523	487	463	449	439	436	437	436	433	431	479	0	11	48 608	24	50 429	179
26	✓	✓		431	431	434	434	437	442	452	471	502	536	546	544	525	520	508	491	458	444	441	445	445	443	442	442	469	0	11	03 552	0	07 427	125
27	✓			440	439	438	435	450	452	462	474	485	493	516	513	500	501	501	497	482	456	435	427	435	428	429	435	463	0	10	53 523	22	04 417	106
28				435	439	440	437	439	438	446	451	469	491	502	508	502	495	487	461	452	442	435	435	435	437	437	437	456	0	11	33 518	1	05 428	90
29	✓			435	433	433	436	438	441	451	473	508	557	549	517	474	457	441	443	448	444	433	432	429	427	429	429	457	0	9	30 593	21	10 425	168
30	✓			429	431	435	438	445	451	470	505	531	549	553	537	464	434	442	464	470	465	455	456	455	453	453	450	468	0	11	12 583	0	29 425	158
31	✓	✓		448	450	454	459	454	459	476	496	525	538	542	514	491	482	485	492	487	474	461	462	462	460	456	455	478	0	10	32 557	0	12 446	111
MEANS ALL DAYS				438	438	438	440	441	444	451	466	497	533	554	552	529	504	477	457	444	437	437	438	438	437	437	436	465						168
MEANS TEN DAYS ✻				438	438	439	440	444	447	457	478	510	544	560	552	525	494	473	462	453	449	447	447	446	444	444	444	470						149
MEANS FIVE DAYS (G. M. T.) †				442	442	443	445	447	450	457	474	508	544	563	558	540	504	481	464	451	451	445 449	443 450	442	442	442	442	472						
MEANS FIVE DAYS (G. M. T.) ‡				422	423	423	431	427	432	438	460	496	537	550	543	519	493	449	429	417	408	419	427	425	417	419	421	451						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = ND RECORD

TABLE 25

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1942 — FEBRUARY 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			453	454	459	465	469	473	489	512	548	575	580	575	556	512	480	459	460	469	459	453	449	444	444	444	487	0	9 36	599	21 51	435	164
2				437	455	450	439	444	436	428	444	462	497	545	526	479	451	440	432	428	432	426	431	432	436	439	434	451	1	10 15	570	16 04	420	150
3	✓			432	437	435	434	435	438	448	468	504	535	545	529	508	476	450	434	438	440	444	444	443	442	441	441	460	0	10 13	549	15 53	429	120
4	✓			441	443	448	447	450	448	443	459	503	552	570	584	561	545	507	485	464	469	462	453	452	454	449	428	480	0	11 49	588	23 42	418	170
5			✓	426	424	422	428	429	419	421	410	410	431	481	515	537	508	469	472	440	443	441	443	426	395	422	409	443	1	12 20	555	9 07	383	172
6			✓	418	421	417	428	425	418	412	437	461	530	589	576	544	502	409	408	392	383	392	405	397	402	397	401	440	1	10 20	613	17 56	373	240
7				408	414	414	417	421	423	420	433	471	527	571	598	586	551	503	469	453	441	434	430	428	427	428	427	462	0	11 51	610	0 02	401	209
8	✓	✓		427	434	438	437	436	432	430	449	507	568	627	637	621	576	525	477	440	431	430	434	432	432	432	432	478	0	10 33	650	0 09	425	225
9	✓	✓		434	436	434	435	437	446	435	424	453	500	553	590	608	601	562	518	481	459	451	454	450	448	445	442	479	0	13 08	615	7 42	417	198
10				440	442	444	451	458	458	448	450	481	537	556	576	560	565	520	496	455	430	416	418	418	422	428	428	471	0	11 03	607	18 39	412	195
11				426	436	437	436	436	437	423	414	422	460	502	535	555	541	484	467	437	415	419	426	423	426	430	431	451	0	12 12	566	8 03	406	160
12	✓	✓		428	431	432	435	436	435	436	425	438	462	490	516	531	532	527	513	492	471	457	452	445	451	456	450	464	0	13 09	539	7 26	422	117
13	✓			450	452	448	452	455	457	457	467	477	502	517	527	531	533	539	532	502	474	458	456	454	452	451	450	479	0	12 58	550	2 25	444	106
14				450	455	458	454	453	460	465	468	490	505	486	481	482	481	484	475	480	454	425	409	408	413	414	411	457	0	9 19	531	19 52	399	132
15				406	428	418	423	430	437	447	455	490	522	536	547	537	480	444	453	455	455	444	439	442	442	438	441	459	0	11 26	568	0 02	402	166
16				444	435	435	437	441	441	441	455	487	521	530	534	514	477	444	445	446	438	445	445	438	416	418	417	456	0	11 04	544	21 52	406	138
17				417	426	430	430	431	435	442	461	499	552	594	609	584	535	485	449	445	451	450	443	437	437	434	430	471	0	11 29	613	0 23	414	199
18	✓	✓		426	425	428	434	438	441	449	466	506	556	598	618	602	563	518	476	442	443	448	447	446	446	445	444	479	0	11 38	625	1 02	423	202
19	✓	✓		445	445	449	452	453	454	446	439	472	514	565	615	617	599	565	518	480	464	455	455	453	449	446	460	488	0	11 37	632	7 31	429	203
20				451	446	440	443	450	454	440	438	462	530	555	563	595	586	564	511	471	446	431	426	436	432	415	395	474	0	12 57	613	23 36	391	222
21				418	426	427	432	428	429	422	422	424	466	506	544	567	564	558	528	485	448	424	428	425	415	416	411	459	0	12 29	583	8 36	399	184
22				411	417	425	430	438	439	437	436	454	493	511	527	515	527	509	484	456	427	419	408	411	415	415	412	451	0	13 02	551	19 51	393	158
23			✓	411	415	416	424	431	435	430	446	515	550	474	459	395	444	378	382	355	350	363	358	368	380	365	380	414	1	9 41	593	17 22	338	255
24			✓	388	407	405	422	414	425	418	424	466	510	547	536	531	526	501	490	461	428	413	409	402	385	388	393	445	1	10 20	579	0 01	379	200
25				391	398	404	410	419	419	415	415	455	491	523	578	561	566	533	476	461	431	396	422	421	423	414	406	451	1	11 37	609	18 43	381	228
26	✓			401	409	417	419	420	421	424	426	458	480	506	546	558	547	522	492	462	437	426	423	422	421	418	415	453	0	12 30	562	0 33	398	164
27				416	422	426	428	429	432	426	419	434	454	520	540	558	539	514	466	433	411	398	403	403	406	399	397	445	1	12 22	579	18 52	393	186
28			✓	401	407	411	424	444	448	442	433	561	627	502	503	420	492	487	490	460	421	403	408	419	419	414	413	452	1	9 16	680	10 54	343	337
29																																		
30																																		
31																																		
MEANS ALL DAYS				425	430	431	434	438	439	437	443	475	516	539	553	543	529	497	475	453	438	430	429	428	426	425	423	461						186
MEANS TEN DAYS ✲				434	437	439	441	443	444	446	454	487	524	555	574	569	548	520	490	466	456	449	447	445	444	443	441	475						167
MEANS FIVE DAYS † (G. M. T.)				432	434	436	439	440	442	439	441	475	520	567	595	596	574	539	500	467	454	436 448	436 448	433	434	434	433	475						
MEANS FIVE DAYS ‡ (G. M. T.)				409	415	414	425	429	429	425	430	483	530	519	518	485	494	449	448	422	405	402	413	412	410	410	405	441						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▲ = NO RECORD

TABLE 259

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1942 — MARCH 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	411	408	473	435	281	418	366	325	340	402	407	420	404	420	387	392	351	345	380	364	351	350	355	372	382	2	2	43	571	4	29	214	357
2			✓	366	365	365	367	371	375	379	388	436	472	486	532	505	492	459	436	424	409	398	395	393	389	389	396	416	1	11	38	548	2	20	362	186
3			✓	391	387	390	398	386	399	384	404	435	500	507	500	451	394	400	416	414	399	388	392	393	386	391	390	411	1	12	15	548	13	02	370	178
4				386	389	397	401	401	397	398	416	462	523	551	564	552	507	481	443	441	420	404	405	408	410	408	416	441	0	11	57	596	0	03	385	211
5			✓	417	407	395	399	402	414	416	441	485	530	592	579	520	432	368	338	315	364	387	374	387	379	369	368	420	1	10	26	710	16	33	250	460
6				381	383	391	384	400	403	393	418	470	510	559	571	567	544	503	458	433	433	423	414	406	415	411	413	445	0	11	02	580	0	00	370	210
7				420	426	425	424	431	427	425	450	490	547	582	581	580	567	540	518	458	431	423	403	384	362	390	382	461	0	13	09	606	21	25	334	272
8			✓	383	401	397	395	398	400	401	402	440	474	498	545	509	469	452	443	412	381	380	392	400	340	327	352	416	1	11	56	573	23	00	317	256
9				376	382	378	384	393	401	391	396	410	440	482	499	481	475	446	430	409	397	385	398	397	392	389	387	413	1	11	24	517	0	09	359	158
10				403	403	405	407	408	410	418	434	461	484	521	538	480	483	515	490	475	449	435	420	417	405	391	416	444	1	11	53	588	23	03	382	206
11	✓			419	399	403	410	413	414	416	419	434	460	477	489	493	485	471	459	447	434	430	430	429	430	426	428	438	0	12	17	496	1	21	396	100
12	✓	✓		428	428	421	419	428	434	438	456	487	519	546	557	551	534	508	481	465	444	435	411	388	410	400	383	457	0	11	33	561	23	17	378	183
13				397	408	414	417	419	430	433	431	441	492	502	528	545	508	487	465	428	416	423	425	415	416	420	430	445	1	13	06	562	0	00	389	173
14				418	424	431	431	421	420	415	426	465	495	491	492	480	459	462	459	448	428	417	412	424	424	425	421	441	1	11	08	533	6	49	400	133
15	✓			416	415	422	428	426	429	433	454	471	493	519	526	527	485	492	471	453	435	429	428	426	425	423	424	452	0	11	59	548	1	16	412	136
16	✓	✓		422	418	424	422	423	426	424	444	478	515	539	552	521	490	445	419	421	426	428	427	430	426	425	430	449	0	11	39	570	15	45	411	159
17	✓			426	424	423	430	433	434	436	461	506	562	600	615	589	544	491	454	436	431	431	427	425	427	426	425	469	0	11	29	625	1	47	418	207
18				426	425	430	440	453	452	446	464	533	578	625	599	565	498	485	454	441	433	423	417	422	417	421	414	469	0	10	47	640	23	35	410	230
19				414	420	425	436	448	437	435	457	478	535	574	587	476	501	435	427	420	410	364	347	366	388	393	372	439	1	11	21	607	19	31	343	264
20				395	395	403	415	418	416	417	440	487	536	571	583	572	535	492	458	448	440	433	432	424	409	399	394	455	0	11	54	605	0	00	379	226
21				391	387	380	404	392	417	408	428	467	524	566	577	560	495	459	434	418	397	380	381	392	394	385	394	435	0	10	52	590	23	03	376	214
22				396	401	413	410	409	410	413	435	484	534	575	582	574	534	503	469	439	413	401	400	402	408	407	409	451	0	11	02	597	1	05	387	210
23				414	417	420	422	424	427	429	450	501	539	577	572	574	534	513	472	449	416	409	414	420	419	417	427	461	0	10	52	600	17	51	405	195
24	✓			418	413	420	426	431	436	437	454	484	538	556	562	545	517	481	465	455	446	436	433	424	420	418	416	460	0	10	51	568	1	28	411	157
25	✓	✓		423	429	429	433	431	435	440	457	476	525	571	572	581	552	515	481	462	445	439	438	435	435	434	431	470	0	12	53	600	0	01	416	184
26				431	443	460	457	442	447	420	445	476	467	513	599	544	535	520	480	458	437	440	427	429	415	409	396	462	2	11	18	690	11	56	313	377
27	✓	✓		403	408	415	417	418	422	424	441	472	496	525	543	547	538	507	477	449	431	426	429	429	426	421	417	453	0	12	06	558	0	00	395	163
28	✓	✓		418	424	426	428	429	431	437	447	459	498	534	552	545	518	502	488	476	459	443	445	455	453	437	416	463	0	11	56	561	23	17	408	153
29				420	426	436	431	427	430	435	455	503	512	538	550	566	547	520	495	464	439	426	425	422	419	416	417	463	1	12	45	574	23	13	414	160
30				422	425	424	428	429	431	429	444	497	499	521	528	492	453	409	442	451	438	430	427	429	426	425	419	447	1	11	19	568	14	28	395	173
31	✓			421	422	426	427	431	433	449	505	534	556	564	569	536	513	488	456	434	437	443	451	451	425	422	449	468	0	11	22	592	21	53	411	181
MEANS ALL DAYS				408	410	415	417	413	421	419	435	470	508	538	550	530	502	475	454	435	422	416	412	412	408	405	407	445								209
MEANS TEN DAYS ✻				419	418	421	424	426	429	433	454	480	516	543	554	544	518	490	465	450	439	434	432	429	428	423	422	458								162
MEANS FIVE DAYS (G. M. T.) †				419	421	423	424	426	430	433	449	474	511	543	555	549	526	495	469	455	441	432 434	429 430	427	423	419	416	458								
MEANS FIVE DAYS (G. M. T.) ‡				394	394	404	399	368	401	389	392	427	476	498	515	478	441	413	405	383	380	387	395	391	386	391	396	413								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 260

HORIZONTAL INTENSITY

APRIL 1942 — APRIL 1942

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				449	459	458	461	455	464	470	490	530	512	543	559	534	486	447	445	452	453	445	438	436	435	434	440	471	1	11	41	593	22	25	432	161
2				445	439	447	447	443	432	402	400	418	446	489	511	487	458	435	405	414	410	403	405	405	405	387	410	431	1	11	26	519	22	59	375	144
3			✓	383	385	386	394	395	402	404	424	477	479	521	510	490	465	478	455	430	406	423	419	406	394	395	416	431	1	10	12	546	0	40	375	171
4			✓	411	414	418	418	421	394	374	398	433	494	529	500	463	399	357	383	393	374	374	364	373	376	388	395	410	1	10	05	569	14	20	326	243
5				384	384	386	391	392	396	390	390	417	463	490	509	509	478	453	437	417	404	405	399	397	398	397	404	420	0	12	10	516	0	59	380	136
6	✓			397	401	405	406	410	411	409	412	436	470	497	511	509	496	477	453	427	417	416	412	411	409	410	407	434	0	11	46	518	0	31	397	121
7	✓	✓		413	411	414	418	421	425	427	437	465	489	503	516	517	507	493	472	451	430	425	424	438	415	383	381	445	0	11	55	520	23	24	369	151
8				406	399	398	397	415	419	422	443	484	504	484	518	446	437	419	433	436	425	417	411	402	404	404	409	430	1	11	56	565	2	03	380	185
9				418	415	421	420	423	425	423	446	454	488	488	510	516	490	466	458	439	437	434	431	428	429	426	422	446	0	12	00	524	0	08	409	115
10	✓			423	424	425	428	432	432	436	449	473	504	528	536	534	508	495	484	467	436	401	371	352	340	345	373	442	0	10	59	543	21	21	328	215
11			✓	362	376	390	397	409	404	381	369	368	387	372	416	425	426	428	424	414	403	399	398	398	400	400	399	398	1	13	41	445	8	26	305	140
12	✓			396	397	398	403	409	413	419	437	472	501	506	507	490	477	463	442	437	422	408	411	415	416	416	414	436	0	10	05	530	0	32	395	135
13				409	415	415	425	436	437	462	487	530	525	512	456	430	438	451	442	433	381	375	356	354	320	346	364	425	0	9	09	561	21	09	299	262
14				379	382	389	396	412	406	423	435	462	507	556	558	552	521	482	455	436	417	413	409	409	407	407	406	442	1	10	37	638	0	06	366	272
15	✓			405	405	414	410	413	415	421	443	481	513	536	542	527	505	470	432	418	425	425	424	419	412	414	400	445	0	11	09	549	23	33	392	157
16				421	413	408	427	425	422	423	451	484	518	536	525	510	479	442	406	383	359	343	328	275	337	372	339	418	0	10	46	552	20	55	261	291
17			✓	357	388	378	386	385	398	409	411	461	497	515	500	445	426	423	425	421	406	390	388	382	406	409	394	417	1	10	11	532	0	16	350	182
18			✓	401	403	407	402	400	407	404	407	449	479	489	478	510	491	457	426	418	412	400	384	392	398	377	392	424	1	12	28	527	22	50	368	159
19				393	388	395	398	402	398	410	423	464	527	560	582	562	496	438	408	404	412	410	403	391	410	402	405	437	0	12	00	595	1	49	384	211
20				402	405	406	409	411	411	403	422	453	492	558	558	541	517	467	430	418	416	411	409	408	410	409	408	441	0	10	45	576	6	47	398	178
21	✓	✓		409	414	415	416	417	417	417	430	464	503	519	525	543	523	469	446	437	433	426	421	419	422	423	422	447	0	12	28	556	0	04	407	149
22	✓	✓		421	421	422	424	428	432	436	456	481	507	516	532	515	506	491	478	463	448	437	434	436	433	432	436	458	0	11	02	541	1	23	419	122
23				441	440	456	479	458	433	427	423	331	440	486	524	518	506	437	433	427	412	393	411	406	392	400	407	437	1	12	07	599	8	29	311	288
24				407	406	407	415	418	417	414	425	461	491	531	548	544	517	479	457	438	427	421	414	411	407	408	408	445	0	12	03	555	2	02	404	151
25	✓	✓		410	413	416	418	420	420	424	445	477	509	531	533	515	484	467	458	450	440	431	427	425	420	414	414	448	0	11	03	541	0	02	407	134
26	✓	✓		415	415	420	420	421	422	429	451	478	505	520	527	521	514	495	478	459	443	433	432	429	427	425	425	454	0	11	25	531	0	21	413	118
27				426	431	434	438	436	445	447	459	481	513	518	540	510	473	413	405	421	421	380	328	318	377	378	374	432	1	11	42	563	20	33	300	263
28				372	385	393	400	409	415	421	426	447	465	490	521	519	502	487	470	438	408	405	402	403	408	412	405	433	0	12	00	525	0	23	369	156
29	✓			403	404	415	415	418	419	425	440	464	495	526	545	531	514	482	456	440	423	412	414	418	418	416	422	446	0	11	44	561	0	10	401	160
30				424	427	437	439	445	445	444	457	465	513	513	526	532	501	467	448	440	436	434	422	415	406	403	397	452	1	10	50	549	23	38	394	155
31																																				
MEANS ALL DAYS				406	409	412	417	419	419	420	433	459	491	512	521	508	485	458	441	431	418	410	403	399	401	401	403	436								178
MEANS TEN DAYS ✱				409	410	414	416	419	421	424	440	469	500	518	527	520	503	480	460	445	432	421	417	416	411	408	409	445								146
MEANS FIVE DAYS † (G. M. T.)				414	415	417	419	421	423	427	444	473	503	518	527	522	507	483	466	452	439	421 430	417 428	415	414	413	412	449								
MEANS FIVE DAYS ‡ (G. M. T.)				383	393	396	399	402	401	394	402	438	467	485	481	467	441	429	423	415	400	397	382	364	376	382	386	413								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 261

HORIZONTAL INTENSITY

MAY 1942

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1942

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				387	379	404	393	399	399	395	412	447	485	513	536	538	517	487	450	431	422	416	414	412	409	413	413	436	0	11	54	549	1 28	378	171
2				412	426	433	435	422	422	421	429	457	497	554	564	538	502	476	442	416	403	388	394	379	383	393	398	441	0	11	16	581	20 55	375	206
3				409	416	414	415	415	414	406	414	444	486	525	558	563	546	510	462	438	433	427	424	420	419	414	415	449	0	12	02	570	0 00	396	174
4			✓	426	428	425	429	434	441	445	455	482	528	563	532	508	507	477	406	364	339	343	334	358	347	354	356	428	0	10	32	594	19 53	326	268
5			✓	356	373	385	388	395	409	409	415	426	442	470	480	470	463	453	442	431	417	403	386	383	381	388	393	415	0	11	38	486	0 02	350	136
6				419	417	413	414	419	424	425	424	445	477	503	514	498	499	492	471	449	435	429	425	422	421	422	417	445	0	11	32	534	0 00	395	139
7	✓			414	423	425	422	423	430	438	447	458	482	497	511	515	508	494	482	461	445	441	431	430	424	427	434	453	0	12	26	524	0 26	412	112
8	✓			434	435	437	439	437	439	452	466	491	532	563	577	575	561	535	505	474	454	448	438	436	439	440	439	477	0	10	54	584	0 34	433	151
9	✓	✓		435	433	439	438	437	435	429	418	420	451	474	482	480	490	496	490	462	447	441	442	433	427	432	429	448	0	14	58	500	8 22	410	90
10				433	435	440	445	447	449	465	476	492	512	528	535	530	514	500	491	491	481	452	439	440	434	444	442	471	0	11	41	550	21 20	430	120
11				443	436	436	436	444	446	455	470	490	515	534	534	527	503	485	471	455	444	439	437	436	433	432	431	464	0	10	50	540	23 05	429	111
12	✓	✓		433	436	436	439	440	443	447	457	472	507	539	571	553	512	479	460	440	426	423	418	419	421	420	423	459	0	11	30	577	19 55	415	162
13	✓	✓		428	434	435	435	437	440	457	485	517	544	566	578	561	530	486	462	456	453	450	447	451	458	459	449	476	0	11	25	582	0 00	423	159
14			✓	421	403	400	406	403	397	406	433	473	513	530	523	509	475	447	424	420	418	415	415	416	415	410	417	437	0	10	44	535	1 49	387	148
15				411	402	405	413	415	426	439	456	486	527	556	553	540	522	480	447	428	415	406	412	413	416	414	419	450	0	10	48	573	2 06	398	175
16				421	422	422	430	433	433	437	440	461	497	550	565	556	520	474	447	437	427	419	416	424	419	422	422	454	0	11	08	577	19 32	412	165
17	✓			426	425	427	430	433	432	431	431	446	482	528	541	539	514	483	455	434	428	422	421	426	427	424	422	451	0	12	13	547	20 07	416	131
18				423	425	429	431	435	436	438	447	465	500	540	544	544	528	502	468	442	437	432	432	428	423	422	426	458	0	10	43	558	22 02	418	140
19	✓			426	428	429	431	437	437	428	434	463	504	546	573	581	553	519	478	449	434	435	438	437	437	436	436	465	0	12	18	593	6 46	424	169
20				434	431	437	437	440	445	439	435	464	523	576	603	568	522	507	481	459	433	435	436	426	444	432	432	468	0	11	17	626	20 31	421	205
21				432	436	438	443	446	445	440	445	471	504	520	548	547	534	507	471	453	427	427	428	428	431	435	434	462	0	11	12	557	17 23	424	133
22				435	432	436	434	426	431	431	431	451	472	494	501	491	466	429	401	396	404	402	405	414	413	414	415	434	0	10	53	520	16 13	383	137
23				415	416	421	427	429	431	439	442	453	469	487	503	521	504	486	468	432	425	427	429	428	428	428	420	447	0	12	37	533	0 22	413	120
24				421	427	428	431	434	440	454	470	488	506	530	515	515	504	475	456	436	421	423	425	435	435	434	432	456	0	10	32	538	0 02	413	125
25	✓			433	434	435	436	436	440	449	460	470	492	509	520	508	488	466	450	442	437	435	435	437	437	438	438	455	0	11	32	525	0 12	431	94
26	✓	✓		438	438	439	442	443	445	457	468	482	498	520	529	531	523	501	475	450	441	443	443	442	442	445	445	466	0	11	31	537	2 26	437	100
27			✓	447	450	456	463	467	466	450	446	466	477	535	544	498	484	462	426	398	384	410	413	413	414	426	421	451	0	11	22	561	17 23	379	182
28			✓	413	409	406	408	408	415	406	440	446	470	464	463	455	452	437	425	426	415	415	417	412	412	417	420	427	0	9	33	483	2 03	393	90
29				431	422	420	423	430	434	446	451	464	478	487	506	501	486	464	451	436	427	427	423	418	419	415	419	445	0	11	33	512	20 19	413	99
30				422	425	432	429	434	436	443	448	463	474	479	485	493	487	465	443	430	420	418	419	416	420	423	425	443	0	13	02	500	20 17	414	86
31	✓	✓		430	430	429	436	437	438	453	470	494	512	520	523	514	488	468	454	445	439	435	437	437	437	435	437	458	0	11	02	528	2 50	427	101
MEANS ALL DAYS				423	423	426	428	430	433	436	446	466	495	523	533	525	507	482	457	438	427	423	422	422	421	423	423	451							142
MEANS TEN DAYS *				430	432	433	435	436	438	444	454	471	500	526	540	536	517	493	471	451	440	437	435	435	435	436	435	461							127
MEANS FIVE DAYS (G. M. T.) †				433	434	436	438	439	440	449	460	477	502	524	537	528	509	486	468	451	441	433 438	429 437	429	430	431	431	460							
MEANS FIVE DAYS (G. M. T.) ‡				413	413	414	419	421	426	423	438	459	486	512	508	488	476	455	425	408	395	397	412	417	416	420	417	436							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 262

HORIZONTAL INTENSITY

JUNE 1942 — JUNE 1942

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			438	439	446	446	448	454	471	487	500	527	552	566	554	535	499	471	457	453	451	447	444	439	439	438	475	0	11 31	573	0 29	432	141
2	✓	✓		438	440	444	449	452	456	460	463	481	505	532	536	528	506	480	460	450	449	446	444	443	444	445	447	467	0	11 07	542	0 09	437	105
3				450	454	455	456	467	481	488	476	487	488	516	505	511	482	466	448	437	422	426	424	423	426	427	426	460	0	10 50	542	20 09	418	124
4	✓			426	428	433	436	441	444	442	434	437	446	468	490	501	494	474	454	445	438	432	428	422	429	430	437	446	0	12 11	506	20 00	418	88
5				436	441	435	434	432	438	437	442	458	479	503	519	512	511	505	489	472	454	444	435	433	426	437	436	459	0	11 05	550	21 52	423	127
6				430	433	443	450	452	451	451	450	458	475	494	505	506	498	479	459	449	444	444	444	444	444	443	445	458	0	12 01	511	0 56	426	85
7	✓	✓		442	439	432	436	436	437	442	448	463	473	491	497	498	494	479	462	452	447	444	442	441	454	447	442	456	0	11 38	500	2 30	430	70
8	✓			441	447	451	449	451	455	469	481	480	479	487	506	506	503	488	462	447	443	441	443	442	441	443	443	462	0	11 16	513	0 18	439	74
9	✓	✓		442	441	443	446	449	454	465	477	487	502	509	507	501	500	494	481	463	451	447	447	447	447	447	446	466	0	10 36	511	1 02	439	72
10	✓	✓		446	448	451	453	454	458	472	489	505	516	519	512	505	495	490	480	471	460	458	465	457	455	452	448	473	0	10 23	526	22 48	442	84
11			✓	442	442	444	459	472	474	478	508	505	503	498	493	460	447	411	408	408	403	396	396	399	403	407	421	445	1	8 07	545	19 16	371	174
12				423	428	420	421	423	424	450	460	475	469	491	494	483	460	439	430	420	422	424	421	424	417	407	418	439	0	11 54	504	22 02	403	101
13			✓	428	421	421	422	429	440	453	470	483	486	504	500	469	479	444	393	416	410	415	397	402	399	411	430	438	1	11 03	534	15 25	372	162
14				432	438	426	424	426	426	443	462	470	491	500	510	513	490	468	445	430	421	422	422	424	420	414	415	447	0	11 52	521	22 28	411	110
15	✓			421	431	429	428	427	433	445	455	469	491	511	519	514	496	469	446	430	426	425	432	430	424	422	423	450	0	12 01	524	22 09	418	106
16				425	424	426	438	436	437	437	436	448	463	491	500	515	504	448	435	430	436	436	441	439	436	423	408	446	0	13 02	540	23 59	404	136
17				407	421	433	431	432	432	438	447	469	477	503	511	499	487	474	454	442	444	438	422	416	421	417	420	447	0	10 24	518	0 03	403	115
18				428	436	427	434	438	439	444	459	480	493	510	514	505	490	478	457	444	441	440	435	423	427	432	435	455	0	11 27	523	20 46	421	102
19			✓	438	435	446	445	450	454	454	455	433	403	467	486	417	388	389	403	401	404	411	413	410	404	405	413	426	1	11 20	510	14 08	366	144
20				402	407	416	426	420	413	409	413	423	445	456	459	469	458	446	433	425	426	422	416	417	410	406	416	426	0	12 20	486	1 16	400	86
21	✓			428	421	424	427	428	426	428	435	446	451	471	476	473	473	469	456	444	434	426	425	424	424	423	421	440	0	11 43	479	1 30	418	61
22	✓	✓		423	424	431	432	431	434	440	444	454	465	485	491	482	478	468	460	451	441	436	435	437	439	440	444	449	0	11 36	497	0 00	421	76
23				441	444	444	452	448	451	459	472	473	485	499	512	501	474	455	453	441	432	417	408	395	391	395	410	448	0	11 01	522	22 05	389	133
24				414	421	426	426	428	434	446	457	467	479	484	488	469	458	445	445	440	430	419	407	392	383	385	391	435	0	11 02	508	21 26	379	129
25				396	407	415	422	427	431	447	460	476	482	483	478	482	469	452	439	427	421	422	422	426	425	423	426	440	0	12 02	490	0 19	392	98
26				420	424	425	426	430	437	444	451	456	464	472	473	468	453	430	422	423	431	429	422	418	416	419	437	437	0	11 02	494	21 13	414	80
27				431	433	432	436	440	442	448	464	473	488	493	500	511	505	488	460	444	436	438	436	437	435	428	424	455	0	12 23	516	23 31	420	96
28				425	425	425	443	445	454	455	446	452	472	458	467	475	462	448	441	428	416	406	401	380	380	388	402	433	0	9 46	507	20 34	375	132
29			✓	406	405	420	426	426	432	442	447	452	454	464	480	479	452	440	439	436	432	417	414	403	391	406	423	433	0	12 26	503	21 58	386	117
30			✓	422	412	413	420	426	437	443	464	484	487	484	487	479	461	453	447	434	415	419	421	410	414	422	420	441	1	10 18	499	17 48	402	97
31																																		
MEANS ALL DAYS				428	430	433	436	439	443	450	458	468	478	493	499	493	480	462	448	439	433	430	427	423	422	423	427	448						108
MEANS TEN DAYS ✲				434	436	438	440	442	445	453	461	472	486	502	510	506	497	481	463	451	444	441	441	439	440	439	439	458						88
MEANS FIVE DAYS † (G. M. T.)				438	438	440	443	444	448	456	464	478	492	507	509	503	495	482	469	457	450	442 446	441 447	440	439	439	439	461						
MEANS FIVE DAYS ‡ (G. M. T.)				427	423	429	434	441	447	454	469	471	467	483	489	461	445	427	418	419	413	412	427	417	414	417	425	439						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 263

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JULY 1942 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JULY 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				425	441	427	425	422	424	423	409	433	464	503	520	519	481	447	432	416	414	415	417	417	417	414	417	438	1	11 37	529	7 23	402	127
2	✓	✓		416	418	422	428	432	436	440	451	462	481	496	504	511	503	480	449	432	424	423	422	424	430	428	430	448	0	12 38	518	0 18	414	104
3	✓	✓		427	426	427	428	428	436	446	455	468	487	502	515	512	493	470	453	432	428	428	426	423	423	424	425	449	0	11 40	518	22 30	421	97
4	✓	✓		427	428	427	430	431	434	443	457	472	489	499	492	489	483	470	451	457	434	436	436	440	441	442	441	452	0	10 47	501	0 00	425	76
5	✓	✓		441	442	444	446	448	450	451	439	452	459	484	512	520	515	486	459	443	440	434	427	424	430	432	430	454	0	12 37	528	20 11	421	107
6	✓			432	432	435	446	451	460	469	473	481	482	491	488	465	458	467	466	449	431	420	413	425	427	426	424	450	0	11 00	504	19 09	407	97
7	✓			426	433	435	440	440	442	445	467	485	507	515	515	524	515	498	473	455	446	431	417	414	413	414	405	456	0	12 42	543	23 13	398	145
8			✓	416	439	429	419	411	416	401	426	418	446	464	478	470	453	422	419	399	395	405	410	389	410	406	404	423	1	11 25	506	20 59	379	127
9				407	408	409	411	410	417	426	433	445	451	467	472	468	451	455	451	418	396	394	391	401	401	403	414	425	0	12 36	478	18 00	381	97
10				415	407	411	413	415	426	441	458	478	489	493	497	490	477	460	460	430	429	432	430	399	388	409	409	440	0	11 48	513	20 39	377	136
11			✓	406	417	377	380	378	396	391	404	411	413	405	401	420	446	426	414	399	397	399	393	392	385	385	380	401	1	13 35	454	4 27	367	87
12				377	401	402	406	405	413	418	402	418	436	457	471	464	431	425	401	402	396	397	403	407	411	417	406	415	1	12 46	486	0 44	369	117
13				402	413	410	407	409	412	427	445	464	470	489	484	482	465	446	428	417	410	407	408	405	410	409	405	430	0	10 46	501	0 19	396	105
14				407	413	408	410	423	419	428	441	455	487	498	505	508	493	472	433	421	402	413	409	413	410	403	421	437	0	11 04	540	17 47	394	146
15			✓	409	405	407	418	437	428	436	436	443	454	480	497	459	449	438	400	383	391	405	405	388	392	395	419	424	1	11 41	528	16 02	356	172
16				411	403	407	407	413	422	416	426	451	488	502	500	488	457	438	421	407	405	396	397	418	408	404	414	429	0	10 33	522	18 00	389	133
17				424	411	410	417	418	415	412	424	436	447	458	463	458	448	433	431	426	422	415	408	407	413	413	417	426	0	10 25	471	20 19	403	68
18	✓			416	417	426	427	424	422	421	429	446	470	493	490	478	451	433	427	431	428	425	419	414	419	418	418	435	0	10 45	500	20 32	411	89
19	✓	✓		419	420	422	428	429	428	418	417	434	450	461	463	457	449	454	448	442	437	427	422	426	422	421	419	434	0	11 03	471	6 35	413	58
20			✓	424	427	451	450	441	422	437	430	444	453	490	514	517	490	459	413	395	381	385	402	415	390	391	407	434	1	12 18	534	18 12	375	159
21				405	396	407	412	419	418	427	437	445	468	483	486	486	470	448	427	416	413	413	414	414	420	422	418	432	0	12 34	496	1 36	393	103
22	✓			422	423	424	423	422	422	428	435	459	478	494	492	481	464	447	440	433	428	421	421	420	418	419	417	439	0	11 32	502	23 25	413	89
23	✓			419	421	429	424	430	436	432	433	450	464	499	498	498	467	446	425	422	422	426	423	419	419	426	421	440	0	11 01	523	23 59	406	117
24				406	416	423	425	429	433	440	450	459	468	478	470	466	458	434	415	402	394	386	376	382	395	394	407	425	0	10 29	495	19 43	370	125
25				397	410	413	409	413	420	414	417	433	455	477	490	508	485	423	405	408	404	401	402	405	409	410	410	426	0	12 16	519	18 02	390	129
26				414	413	419	420	426	431	442	451	472	490	500	502	505	495	477	456	415	379	384	366	378	406	423	424	437	0	12 52	517	19 43	359	158
27			✓	411	412	421	415	421	421	436	423	451	481	500	490	480	462	425	382	379	401	409	392	403	417	409	424	428	1	10 55	522	15 40	368	154
28				428	417	408	412	415	418	430	449	480	504	519	528	493	477	447	408	407	411	407	416	409	407	419	411	438	0	11 37	542	18 53	398	144
29				421	423	422	421	412	413	422	446	474	505	532	543	530	508	473	436	418	413	412	412	407	410	424	412	445	0	11 20	547	21 07	403	144
30				414	419	423	421	417	421	431	445	464	516	560	579	567	526	464	431	402	401	405	406	424	413	416	420	449	0	12 02	586	17 04	398	188
31				425	417	418	423	428	433	438	448	468	498	523	536	534	506	471	439	431	425	424	412	399	397	415	424	447	0	11 01	541	21 22	395	146
MEANS ALL DAYS				416	418	419	421	422	425	430	437	453	473	491	497	492	475	453	432	419	413	412	410	410	411	414	416	436						121
MEANS TEN DAYS ✱				424	426	429	432	434	437	439	446	461	477	493	497	494	480	465	449	440	432	427	423	423	424	425	423	446						98
MEANS FIVE DAYS † (G. M. T.)				426	427	428	432	434	437	440	444	458	473	488	497	498	489	472	452	441	433	425 430	424 427	424	426	425	426	447						
MEANS FIVE DAYS ‡ (G. M. T.)				413	420	417	416	418	417	420	424	433	449	468	476	469	460	434	406	391	393	401	409	406	408	414	416	424						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 264

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1942 — AUGUST 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			417	417	419	424	425	427	428	427	435	459	477	500	504	490	463	437	431	427	424	422	421	424	424	421	439	0	11	41	514	0	29	416	98
2	✓			426	428	435	436	446	448	442	437	459	486	489	525	534	518	486	454	437	428	424	410	406	399	411	416	449	0	12	18	541	21	22	397	144
3				421	427	424	431	436	435	436	439	451	486	505	521	521	497	463	439	426	428	427	421	417	421	426	429	447	0	11	59	533	0	18	414	119
4	✓	✓		427	425	428	430	430	434	435	439	453	478	504	521	515	498	472	447	434	424	417	421	429	425	424	423	447	0	11	18	530	18	58	415	115
5	✓			430	427	431	432	433	432	436	455	467	481	488	487	485	480	475	462	443	426	423	425	430	429	432	435	448	0	12	55	496	17	59	420	76
6				439	435	433	447	450	445	463	462	490	504	502	455	468	468	441	430	425	410	384	387	406	392	412	414	441	0	9	27	539	19	05	374	165
7				409	427	443	432	420	412	430	435	456	485	500	501	487	463	436	414	407	416	412	413	413	418	414	416	436	1	10	26	512	16	01	395	117
8	✓	✓		416	417	419	418	420	424	430	437	450	465	485	501	506	492	472	448	430	419	419	422	421	422	425	423	441	0	12	31	509	1	09	414	95
9				426	431	434	439	449	456	446	436	442	451	475	488	489	475	462	437	427	431	443	443	425	415	418	403	443	0	12	18	495	23	25	399	96
10			✓	398	407	417	411	427	436	448	464	476	502	520	463	506	470	431	419	405	407	411	410	406	405	411	417	436	1	10	23	547	0	38	395	152
11				403	400	405	415	414	420	423	440	446	476	491	492	474	453	435	426	421	416	413	411	412	420	422	410	431	0	10	50	501	2	16	394	107
12				418	412	416	421	415	415	431	446	465	483	494	495	494	472	455	437	429	410	395	398	407	419	414	412	436	0	11	13	513	18	32	392	121
13	✓	✓		411	412	415	420	424	428	438	448	458	475	491	505	507	496	479	456	436	426	416	414	409	410	412	414	442	0	11	59	512	20	59	405	107
14	✓			416	421	423	424	430	423	422	434	441	459	484	503	506	499	484	460	437	425	422	421	418	417	416	417	442	0	12	08	511	0	01	414	97
15				418	421	425	424	426	441	449	466	485	507	529	544	551	549	506	461	425	401	394	402	410	368	366	353	447	0	13	02	565	23	12	336	229
16			✓	366	369	382	392	407	419	436	447	468	480	491	484	501	477	468	394	397	374	371	369	369	386	413	397	419	1	12	33	533	0	34	362	171
17				396	407	404	412	406	409	413	433	446	445	455	448	448	448	439	419	404	392	396	399	397	405	402	405	418	1	11	05	484	17	33	385	99
18			✓	407	427	405	406	413	419	402	412	429	451	493	522	527	505	463	412	390	396	409	406	387	408	417	410	430	1	12	14	536	20	27	383	153
19			✓	413	412	411	410	415	426	426	422	443	464	485	474	496	477	466	441	405	395	398	398	401	383	397	398	427	1	12	04	524	16	58	373	151
20				407	409	404	411	418	422	444	464	478	501	520	530	526	507	463	436	415	405	404	405	401	403	415	410	442	1	12	21	544	21	11	393	151
21				407	415	411	408	413	419	420	420	426	452	465	467	500	500	484	454	427	408	414	409	404	404	411	424	433	0	12	52	505	20	59	400	105
22				436	408	413	413	421	424	435	433	436	448	474	478	503	509	499	476	440	400	397	404	403	386	390	402	434	0	13	43	511	22	28	373	138
23			✓	409	413	415	422	424	431	442	467	436	483	490	454	407	437	410	424	400	338	367	379	386	411	389	402	418	1	9	32	526	17	23	330	196
24				398	394	394	400	404	408	434	454	469	485	497	477	474	453	437	400	398	394	404	398	409	405	394	387	424	1	10	36	531	23	03	378	153
25				398	397	398	404	402	409	424	441	461	479	496	490	479	466	449	435	405	401	398	401	402	405	406	404	427	1	10	21	517	0	26	389	128
26				412	409	408	411	414	419	431	446	456	479	490	481	477	474	451	441	414	393	392	389	403	403	412	411	430	0	10	37	503	19	29	379	124
27				407	414	417	412	407	416	418	438	458	496	513	538	539	520	491	456	422	409	408	406	404	405	404	406	442	0	11	08	544	22	51	402	142
28	✓	✓		410	416	415	414	416	417	419	428	450	478	511	521	514	492	467	444	427	412	411	413	413	413	414	416	439	0	10	59	531	0	00	404	127
29	✓	✓		416	415	415	420	425	424	424	435	460	493	512	518	516	502	479	463	446	425	417	414	408	410	412	416	444	0	11	45	521	21	00	406	115
30	✓			417	414	412	418	423	435	441	460	493	515	539	560	576	528	493	475	449	428	420	419	417	408	397	391	455	0	12	00	586	22	59	387	199
31				393	397	397	404	411	416	421	421	438	410	413	430	434	432	435	429	418	408	403	405	408	411	409	410	415	0	8	40	451	0	05	387	64
MEANS ALL DAYS				412	414	415	418	421	425	432	442	456	476	493	497	499	485	463	440	422	409	408	408	408	407	410	409	436								131
MEANS TEN DAYS ✲				419	419	421	424	427	429	432	440	457	479	498	514	516	500	477	455	437	424	419	418	417	416	417	417	445								117
MEANS FIVE DAYS † (G. M. T.)				416	417	418	420	423	425	429	437	454	478	501	513	512	496	474	452	435	421	411 416	410 417	411	415	414	416	442								
MEANS FIVE DAYS ‡ (G. M. T.)				399	406	406	408	417	426	431	442	450	476	496	479	487	473	448	418	399	382	391	411	404	396	399	395	427								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

☐ = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

☐ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 265

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				409	409	409	415	416	422	462	485	491	492	482	458	452	426	419	423	416	406	403	408	407	413	415	413	431	0	8 57	509	20 32	402	107
2				399	421	418	404	401	407	423	447	473	487	494	506	487	484	469	444	419	399	384	401	408	410	407	401	433	0	11 37	515	18 13	381	134
3	✓			404	410	411	410	411	416	433	458	489	519	536	541	534	514	485	459	436	423	418	417	413	411	422	425	450	0	11 43	548	0 00	397	151
4				424	424	427	432	424	426	431	443	491	527	540	515	504	497	471	445	422	415	420	418	409	400	407	406	447	0	10 03	558	23 45	397	161
5				397	402	410	415	417	421	420	429	449	486	513	506	501	500	478	435	413	409	410	410	408	398	396	394	434	0	10 28	523	23 55	392	131
6			✓	404	411	408	417	436	429	427	453	473	476	456	441	443	398	405	424	420	379	390	402	406	409	406	407	422	1	8 28	493	13 45	357	136
7				409	406	406	415	415	412	422	442	466	497	510	480	462	442	430	426	424	409	410	402	413	397	395	399	429	0	10 39	523	22 36	388	135
8				400	401	393	396	403	409	419	427	437	453	470	467	454	445	433	425	418	416	419	415	415	418	409	403	423	0	10 42	491	2 36	390	101
9	✓			400	412	412	412	410	414	428	458	488	524	528	526	497	459	434	429	431	428	421	417	416	419	424	417	442	0	9 37	534	0 55	398	136
10	✓			419	412	409	406	410	410	407	423	457	488	511	519	505	467	449	434	416	413	413	411	409	410	408	409	434	0	11 12	524	3 36	404	120
11			✓	425	422	423	423	420	420	429	454	484	509	533	515	495	451	437	387	379	366	360	304	326	364	364	384	420	1	12 02	561	19 16	301	260
12			✓	365	379	418	394	385	385	380	394	421	465	490	465	455	431	398	380	383	379	377	396	384	373	376	392	403	1	10 44	517	0 48	357	160
13				390	390	396	399	402	406	424	451	491	532	543	531	512	466	400	380	386	368	378	360	373	382	398	404	423	0	11 10	581	19 27	353	228
14				395	394	408	408	394	404	399	413	444	500	528	534	498	473	434	396	370	383	388	406	384	388	391	398	422	1	11 08	570	16 22	357	213
15				393	386	391	393	396	388	397	418	453	478	503	486	476	442	434	424	416	406	406	401	404	398	395	387	420	1	10 18	524	1 14	372	152
16				411	395	392	395	399	399	406	413	438	469	482	507	486	473	457	439	405	384	384	385	405	402	398	400	422	1	11 52	533	18 03	355	178
17			✓	401	386	395	398	399	378	373	382	401	452	484	511	514	471	450	426	398	379	379	383	401	391	397	403	415	1	12 14	567	6 03	360	207
18				401	402	398	403	403	401	394	390	417	444	460	500	493	459	428	412	405	401	403	386	405	395	408	389	417	1	12 26	522	19 22	374	148
19				389	391	396	395	399	399	415	433	454	495	498	514	488	460	441	421	406	405	403	404	410	405	402	405	426	1	11 07	552	0 11	384	168
20				408	405	408	409	409	414	415	403	432	452	478	489	476	472	452	431	411	395	392	401	398	416	400	404	424	1	10 24	521	18 23	374	147
21			✓	401	389	396	397	410	406	393	405	427	462	481	484	463	438	424	421	421	415	407	402	395	398	399	409	418	1	11 11	528	7 46	377	151
22				418	399	399	403	400	399	410	428	461	505	532	549	501	476	444	429	414	382	396	392	388	396	403	402	430	0	11 44	561	17 43	377	184
23	✓			396	398	405	403	404	407	415	437	471	506	523	519	501	473	448	433	422	418	407	391	389	404	403	397	432	0	10 38	529	20 06	386	143
24	✓			398	398	401	404	404	407	417	449	491	529	548	545	515	478	440	422	415	402	401	401	401	409	412	401	437	0	10 09	561	1 24	396	165
25	✓	✓		409	411	413	415	415	414	419	447	494	529	557	549	515	474	454	436	427	412	406	409	412	414	415	411	444	0	11 06	566	0 00	403	163
26	✓	✓		413	413	415	415	415	419	418	438	481	509	506	494	455	449	449	444	434	418	415	415	417	420	413	408	436	0	10 02	518	24 00	403	115
27				397	395	405	409	410	410	413	444	479	505	526	525	505	476	453	431	421	406	404	409	405	410	406	407	435	0	10 23	537	1 27	392	145
28	✓	✓		409	409	410	413	416	416	413	434	473	524	562	570	545	510	469	444	422	416	416	415	414	415	413	418	448	0	11 00	588	1 17	407	181
29	✓	✓		420	421	426	428	429	432	416	432	475	518	558	576	551	524	490	460	434	423	421	418	419	420	418	418	455	0	11 32	583	6 45	405	178
30	✓	✓		418	418	420	426	416	421	413	420	466	521	563	579	570	534	489	452	425	413	416	416	415	414	412	413	452	0	12 05	590	6 44	404	186
31																																		
MEANS ALL DAYS				404	404	407	408	409	410	414	432	462	495	513	513	495	469	445	427	414	402	402	400	402	403	404	404	431						159
MEANS TEN DAYS ✻				409	410	412	413	413	416	418	440	478	517	539	542	519	488	461	441	426	417	413	411	410	414	414	412	443						154
MEANS FIVE DAYS † (G. M. T.)				414	414	417	419	418	420	416	434	478	520	549	554	527	498	470	447	428	416	410 415	410 415	410	414	413	411	446						
MEANS FIVE DAYS ‡ (G. M. T.)				399	397	408	406	410	404	400	418	441	473	489	483	474	438	423	408	400	384	383	382	389	398	393	398	417						

SEPTEMBER 1942

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 266

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓	✓		416	418	418	419	420	420	419	439	474	518	544	559	544	511	481	460	440	422	413	406	404	408	422	426	450	0	11	09	569	21	12	402	167
2			✓	433	439	437	418	412	426	423	420	442	450	499	466	458	391	413	378	372	354	360	365	372	375	377	385	411	2	10	26	559	17	25	348	211
3			✓	370	373	391	379	383	384	392	413	422	463	487	478	461	459	429	393	383	369	381	373	386	386	382	387	405	1	10	03	523	1	15	359	164
4				400	381	389	397	398	390	396	412	443	465	463	447	443	433	407	404	393	384	370	373	386	377	377	376	404	1	9	50	480	18	27	365	115
5				393	391	393	385	399	399	389	399	428	471	475	477	480	475	440	416	403	389	393	397	393	389	391	392	415	1	12	14	496	0	19	379	117
6	✓			397	391	392	398	402	402	404	423	451	473	490	492	480	467	445	421	407	409	397	386	384	382	380	380	419	0	11	36	504	20	19	367	137
7				379	404	398	399	399	399	401	425	461	475	490	483	479	463	444	423	404	386	386	393	394	394	405	392	420	0	10	17	497	0	13	372	125
8				389	388	388	389	395	401	403	417	447	480	494	486	460	406	374	389	404	408	398	395	403	389	391	391	412	0	10	23	507	14	18	368	139
9	✓	✓		406	402	395	397	403	411	424	452	504	535	548	523	498	460	441	436	432	424	419	420	419	421	422	424	442	0	10	12	559	0	00	393	166
10	✓			423	425	433	428	430	424	448	475	520	557	585	575	549	508	466	441	418	405	415	415	410	405	406	406	457	0	10	36	605	17	16	400	205
11				406	407	408	412	419	427	425	450	514	556	578	583	562	510	481	385	392	411	417	405	400	395	401	392	447	0	11	36	598	15	30	366	232
12			✓	395	406	409	414	410	389	413	404	422	494	537	553	557	506	460	422	399	379	375	376	388	389	390	387	428	1	12	05	583	17	43	363	220
13				396	394	393	397	399	401	402	424	445	503	504	562	477	454	438	412	383	381	383	388	388	400	391	389	421	1	11	28	594	16	35	367	227
14				399	404	400	403	403	401	391	388	406	478	491	501	502	472	427	380	344	375	387	390	388	402	389	416	414	1	11	59	523	16	30	325	198
15				405	396	395	395	398	404	408	434	474	503	531	543	530	475	440	406	391	386	378	381	403	381	383	392	426	1	10	45	557	19	59	367	190
16				393	395	394	393	399	400	386	391	425	464	519	521	513	479	438	403	395	389	390	406	404	399	394	395	420	1	10	54	556	8	08	373	183
17				414	404	398	400	402	401	394	410	443	474	500	519	525	498	469	417	402	391	392	399	400	397	393	393	426	0	12	27	544	23	06	385	159
18				399	402	403	403	402	400	390	409	438	461	495	482	506	445	435	409	394	392	384	388	405	370	371	383	415	1	10	57	537	22	14	359	178
19				388	400	393	398	398	399	407	409	416	446	449	416	444	435	441	430	407	396	394	394	407	399	410	392	411	1	10	20	499	0	13	384	115
20				396	398	401	401	401	396	395	414	461	478	483	463	441	441	433	420	410	398	399	398	397	399	399	394	417	0	9	46	504	6	12	385	119
21	✓			399	397	398	405	410	408	411	436	473	517	539	492	461	435	416	410	402	398	394	397	396	393	391	392	424	0	10	08	553	23	19	389	164
22	✓	✓		395	399	400	401	405	404	406	434	486	530	550	548	516	463	418	397	400	407	403	401	403	400	402	403	432	0	10	24	559	0	03	392	167
23	✓	✓		404	406	412	414	417	417	415	446	480	516	529	517	490	467	448	437	422	413	413	415	412	412	412	411	439	0	10	50	539	1	07	402	137
24	✓	✓		410	410	411	413	419	427	434	463	497	524	521	521	505	473	454	437	427	420	420	421	415	412	410	399	443	0	9	55	542	24	00	391	151
25				392	385	396	410	419	427	419	423	468	476	477	469	455	445	432	421	411	403	404	404	401	403	398	394	422	1	8	55	508	1	48	381	127
26	✓			410	405	407	407	407	406	409	429	467	500	520	527	502	478	460	437	425	419	411	413	417	412	408	405	437	0	11	26	542	23	32	402	140
27	✓			412	412	410	408	409	410	406	428	469	536	555	539	518	475	446	422	408	408	416	416	414	413	416	415	440	0	9	53	570	16	30	402	168
28			✓	414	412	414	413	410	414	432	468	500	518	544	459	367	289	286	285	261	267	291	301	319	324	334	338	378	2	10	26	593	13	53	208	385
29			✓	353	365	401	372	358	352	377	378	402	445	524	499	441	446	372	351	336	343	331	347	359	377	364	359	386	1	10	43	575	16	27	318	257
30				374	377	369	369	377	387	384	393	434	456	472	473	466	452	442	426	396	382	374	360	367	371	363	370	401	1	9	57	521	19	54	346	175
31				373	373	372	377	381	376	376	399	416	458	464	464	465	451	433	405	397	395	389	396	391	389	384	389	405	1	9	24	508	6	00	359	149
MEANS ALL DAYS				398	399	401	400	403	403	406	423	456	491	512	504	487	457	433	409	395	390	390	391	394	392	392	392	422								174
MEANS TEN DAYS ✲				407	406	408	409	412	413	418	442	482	521	538	529	506	474	448	430	418	412	410	409	407	406	407	406	438								160
MEANS FIVE DAYS (G. M. T.) †				406	407	407	409	413	416	420	447	488	525	538	534	511	475	448	433	424	417	405 414	405 413	406	402	402	402	439								
MEANS FIVE DAYS (G. M. T.) ‡				393	399	410	399	395	393	407	417	438	474	518	491	457	418	392	366	350	342	348	379	382	383	390	391	405								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 267

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1942

NOVEMBER 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				385	379	383	393	394	385	386	408	419	430	459	446	445	428	421	417	406	401	398	392	380	386	390	393	405	0	10	25	483	6	12	369	114
2				382	381	385	388	392	395	411	416	431	478	499	508	472	438	420	415	406	392	382	384	382	388	388	385	413	0	11	13	517	0	52	378	139
3				384	387	389	390	389	388	392	411	429	446	437	436	420	409	412	420	413	398	386	389	393	393	388	393	404	0	9	38	458	0	05	382	76
4				394	385	391	398	394	388	385	417	450	468	480	469	460	445	446	441	426	405	395	394	390	395	398	399	417	0	10	21	490	6	39	364	126
5	✓			400	402	403	405	411	415	433	465	499	513	518	514	500	505	475	463	444	413	384	386	384	383	389	392	437	0	13	11	540	18	46	366	174
6	✓			395	395	398	398	402	408	415	434	463	482	482	461	444	446	441	435	417	409	409	407	407	405	401	397	423	0	10	16	509	0	43	393	116
7	✓			401	396	399	399	398	409	428	448	471	484	471	462	465	472	475	456	429	413	408	403	404	409	442	417	432	0	8	56	503	1	18	392	111
8				415	407	409	393	412	413	414	447	463	496	504	485	470	452	439	396	388	402	397	382	380	385	390	388	422	1	10	02	531	15	39	374	157
9	✓	✓		389	389	389	392	394	399	416	448	490	504	488	443	404	379	369	395	411	417	413	411	414	412	409	405	416	0	9	10	516	14	25	359	157
10				401	404	402	408	419	433	442	479	530	473	494	491	437	407	398	390	389	402	404	385	387	399	404	400	424	1	8	30	553	19	59	378	175
11				401	403	405	406	408	413	423	438	475	495	501	485	475	458	416	405	394	395	401	404	398	399	411	402	425	0	10	16	517	16	45	389	128
12				398	399	400	399	400	403	406	425	458	474	485	466	467	448	429	419	406	403	398	395	398	401	403	406	420	0	10	52	500	18	59	390	110
13				405	407	409	410	416	411	406	425	458	464	456	460	486	461	451	413	395	392	395	392	387	391	387	390	419	0	9	04	511	20	10	384	127
14				404	391	397	397	405	407	397	410	440	449	452	471	477	450	449	432	416	396	409	409	407	409	400	398	420	1	11	33	512	6	34	383	129
15				400	402	405	407	411	412	403	404	428	448	459	481	476	470	461	440	427	405	395	403	407	407	408	403	423	0	11	58	506	18	32	388	118
16	✓	✓		401	401	403	406	406	404	395	394	402	415	427	443	452	446	441	435	427	414	407	407	409	410	408	410	415	0	13	09	462	7	37	390	72
17	✓	✓		405	404	406	407	408	406	402	407	417	439	458	448	445	442	434	427	419	399	385	377	377	380	394	398	412	0	10	03	465	21	00	369	96
18				400	401	411	409	409	408	407	421	455	474	482	489	482	468	446	412	411	411	411	407	410	411	409	408	427	0	11	07	504	0	00	397	107
19	✓	✓		408	413	421	420	419	421	435	455	476	494	501	490	463	450	434	430	432	438	429	423	410	408	413	422	438	0	10	13	512	20	54	399	113
20				422	421	429	429	433	422	426	441	452	446	446	463	422	381	370	389	399	390	379	384	394	398	397	394	414	1	11	32	492	14	03	355	137
21	✓			393	416	410	406	403	401	414	444	465	486	480	489	465	435	420	404	392	392	398	400	401	401	402	402	422	0	9	33	508	16	23	389	119
22	✓	✓		401	403	402	398	399	401	404	420	444	458	467	458	440	418	407	416	415	418	424	419	421	423	432	421	421	0	10	26	478	3	11	397	81
23			✓	415	422	423	419	417	423	431	441	480	491	462	418	367	409	423	413	383	326	309	302	313	330	328	335	395	1	9	42	527	19	42	288	239
24			✓	346	368	378	365	358	348	347	363	371	398	400	411	390	373	361	372	375	379	368	361	371	351	365	370	370	1	11	16	442	5	43	333	109
25			✓	365	367	371	371	369	366	384	408	433	479	475	477	442	426	408	397	377	371	379	371	363	365	390	354	396	1	11	26	520	23	27	350	170
26			✓	361	367	374	376	373	367	380	410	434	450	475	483	439	413	406	374	376	367	369	374	373	372	368	370	394	1	11	07	520	0	02	352	168
27				377	379	384	378	374	383	374	388	444	474	480	481	453	428	385	365	351	366	367	371	370	370	372	364	395	0	10	58	497	15	59	346	151
28			✓	362	365	378	379	378	373	369	395	413	446	466	495	447	406	342	367	376	351	354	360	353	360	363	367	386	1	11	28	534	14	17	327	207
29				373	371	372	371	369	373	375	370	400	423	474	475	469	444	425	417	396	378	372	377	379	381	385	384	398	1	11	46	499	7	12	359	140
30	✓			379	379	380	385	386	388	394	416	430	444	473	469	466	477	452	438	418	395	385	389	386	383	382	384	412	0	10	55	490	0	52	376	114
31																																				
MEANS ALL DAYS				392	393	397	397	398	399	403	422	447	464	472	469	451	436	422	413	404	395	390	389	388	390	394	392	413								133
MEANS TEN DAYS ✻				397	400	401	402	403	405	414	433	456	472	476	468	454	447	435	430	420	411	404	402	401	401	407	405	423								115
MEANS FIVE DAYS † (G. M. T.)				401	402	404	405	405	406	410	425	446	462	468	456	441	427	417	421	421	417	402 412	400 407	401	403	403	402	419								
MEANS FIVE DAYS ‡ (G. M. T.)				370	378	385	382	379	375	382	403	426	453	456	457	417	405	388	385	377	359	356	365	368	368	377	369	391								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 268

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1942

DECEMBER 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				384	383	384	388	389	390	389	397	425	463	450	460	459	459	425	426	413	387	380	383	393	396	393	394	409	0	12	02	494	18 42	378	116
2	✓			394	394	396	396	396	399	400	410	427	439	446	440	434	423	436	439	425	409	394	391	394	396	398	398	411	0	10	29	453	19 43	390	63
3				399	399	398	398	399	400	403	404	424	441	446	472	422	430	439	426	418	409	392	389	394	404	401	400	413	0	11	35	494	19 20	385	109
4				392	401	401	399	403	403	401	425	450	441	440	422	436	447	445	448	423	403	396	395	389	385	382	387	413	1	8	56	483	22 28	380	103
5	✓			391	394	397	401	405	407	403	418	431	453	448	433	429	436	446	444	436	422	412	408	406	405	406	407	418	0	9	50	472	0 00	388	84
6	✓			408	409	410	412	410	408	413	432	461	482	504	522	518	506	470	442	420	406	398	405	408	403	402	401	435	0	11	34	529	18 18	393	136
7				405	406	408	408	410	412	412	422	405	444	484	473	460	434	394	389	375	374	373	374	377	387	391	390	409	0	10	24	520	16 19	368	152
8				392	392	390	399	405	399	393	422	452	479	471	466	435	424	445	391	394	390	382	381	386	389	393	384	411	1	10	03	492	18 02	377	115
9			✓	388	394	402	402	406	424	429	453	470	475	425	467	444	404	375	347	344	344	344	339	342	343	346	370	395	1	11	30	547	19 24	326	221
10			✓	368	364	379	379	379	384	387	399	428	460	473	459	445	416	400	388	386	389	390	387	390	392	387	387	401	1	10	13	493	1 12	360	133
11				376	382	386	387	385	390	398	417	421	447	467	462	449	434	426	418	402	395	382	384	386	396	393	397	408	0	11	02	487	0 26	368	119
12				402	399	399	398	391	397	409	406	400	430	460	475	458	434	405	391	385	380	382	387	389	389	389	389	406	1	11	16	501	8 22	374	127
13	✓			389	387	387	389	389	393	407	413	431	450	470	441	432	401	400	395	395	394	394	401	401	395	391	388	406	0	10	52	507	1 38	386	121
14				398	402	404	400	395	403	410	412	432	456	470	469	452	432	416	417	409	396	396	402	402	400	402	400	416	0	11	03	487	4 03	389	98
15				401	399	400	400	400	409	422	441	463	482	489	486	479	467	454	438	423	407	397	390	395	397	397	398	426	0	11	57	502	19 23	387	115
16				405	395	396	395	399	407	412	422	422	436	444	421	416	393	383	394	400	404	403	401	400	401	401	402	406	0	10	17	451	13 48	374	77
17	✓	✓		405	408	407	407	411	415	412	422	447	463	486	478	470	462	448	425	409	396	400	397	397	399	402	404	424	0	10	37	500	17 21	388	112
18	✓	✓		407	410	415	419	417	419	417	410	418	446	459	476	477	463	436	420	414	413	411	409	408	411	407	406	424	0	11	45	486	7 22	401	85
19	✓	✓		404	406	410	413	414	419	419	427	446	467	477	473	475	470	449	434	426	421	412	413	411	422	415	413	431	0	10	56	484	0 18	403	81
20				413	415	414	414	415	422	431	436	467	493	520	535	515	460	430	413	414	408	406	419	423	395	398	401	436	0	11	15	540	21 37	381	159
21			✓	411	410	414	416	414	434	447	421	413	389	465	421	427	417	396	389	381	381	385	377	379	394	372	377	405	1	10	44	525	8 32	354	171
22				381	387	389	385	388	398	402	418	450	479	477	474	455	429	377	366	367	382	392	395	396	396	393	397	407	1	9	55	508	15 44	359	149
23			✓	397	390	386	386	381	379	377	383	378	393	415	412	413	390	384	368	349	356	364	363	370	371	371	373	381	1	10	10	466	16 25	341	125
24				376	374	375	372	380	383	392	386	432	435	455	429	427	418	402	399	394	378	379	387	376	373	380	386	395	1	10	12	475	21 11	364	111
25				384	383	383	381	380	385	391	410	442	478	482	472	433	392	401	398	393	385	380	371	366	383	388	386	402	0	10	25	497	20 40	362	135
26			✓	388	381	388	398	397	399	398	398	420	468	439	466	454	403	389	371	373	363	374	387	391	394	390	388	401	1	11	11	518	17 32	357	161
27				396	390	392	396	395	398	400	407	439	467	487	493	472	440	407	394	382	387	396	394	392	392	398	395	413	0	11	56	501	16 22	378	123
28				395	400	403	401	401	404	411	418	436	465	488	498	491	455	433	413	399	399	408	406	403	400	400	399	422	0	11	11	510	0 40	394	116
29	✓			401	40[illegible]	405	407	409	412	411	424	435	472	502	514	500	466	443	416	401	400	400	401	403	401	401	400	426	0	11	28	519	17 29	398	121
30	✓	✓		403	403	405	406	408	414	420	422	431	444	452	456	452	445	437	430	421	415	413	408	404	403	405	405	421	0	12	11	459	0 03	401	58
31	✓	✓		406	408	409	409	411	415	422	423	438	467	493	497	492	478	455	448	441	428	419	418	418	419	419	420	436	0	11	48	499	0 26	405	94
MEANS ALL DAYS				395	396	398	399	399	404	408	416	433	455	467	467	456	436	421	409	400	394	392	392	393	395	394	395	413							119
MEANS TEN DAYS ✱				401	402	404	406	407	410	412	420	436	458	474	473	468	455	442	429	419	410	405	405	405	405	405	404	423							96
MEANS FIVE DAYS † (G. M. T.)				405	407	409	411	412	416	418	421	436	457	473	476	473	464	445	431	422	415	405 411	403 409	402	403	403	403	426							
MEANS FIVE DAYS ‡ (G. M. T.)				390	388	394	396	395	404	408	411	422	437	443	445	437	406	389	373	367	367	371	381	383	381	384	388	398							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 269

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1942

JANUARY 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓	✓		138	138	139	140	142	141	143	147	140	131	123	120	123	129	134	124	125	133	135	138	138	138	138	137	135	0	7	00	148	11 28	119	29
2				137	135	137	138	139	139	139	148	148	153	153	167	179	168	144	133	123	128	137	140	140	138	138	138	143	1	12	08	182	16 48	120	62
3			✓	138	139	140	140	142	142	143	146	142	140	138	128	116	115	114	120	130	135	137	139	139	138	136	135	135	1	7	22	147	12 52	110	37
4			✓	137	137	136	139	140	140	144	148	152	150	161	155	149	140	131	136	133	134	138	140	138	138	139	137	141	1	10	28	163	14 08	129	34
5			✓	138	138	139	139	140	140	145	151	151	145	145	142	136	131	129	130	129	129	135	138	139	139	139	139	139	0	8	01	154	14 08	126	28
6				139	138	139	140	142	142	144	147	147	146	149	141	142	144	140	142	143	138	136	139	139	139	139	138	141	0	10	34	151	18 19	135	16
7				138	138	139	139	140	140	142	149	154	146	147	145	140	139	139	135	136	137	140	142	141	141	140	140	141	0	8	02	156	15 48	134	22
8	✓			139	139	140	140	141	142	142	146	149	153	150	149	138	130	130	134	136	139	140	140	139	139	139	139	141	0	9	13	154	14 08	128	26
9				139	139	139	140	141	143	141	149	150	150	151	145	132	122	121	126	128	131	132	139	141	140	140	138	138	0	10	22	153	14 08	117	36
10				137	137	139	139	141	143	141	145	139	136	140	138	126	109	111	118	131	139	138	140	140	140	141	140	135	0	7	43	148	13 43	108	40
11				138	139	140	141	142	144	144	145	143	146	142	132	122	117	112	116	122	132	133	138	139	139	140	139	135	0	9	35	147	14 14	110	37
12				138	138	139	139	142	143	145	149	143	136	129	117	105	108	104	107	120	128	130	134	136	139	140	140	131	0	7	30	152	14 06	101	51
13				140	140	140	141	142	141	141	148	150	151	149	137	127	131	134	134	140	135	139	142	143	142	139	138	140	0	8	46	153	12 51	126	27
14				138	138	137	138	140	141	143	155	156	153	154	147	122	113	112	113	114	123	131	137	137	138	139	140	136	0	8	04	158	14 15	108	50
15				139	139	138	139	139	139	140	147	150	148	157	168	164	144	128	117	119	124	131	135	138	139	139	139	140	1	11	43	169	16 01	115	54
16				139	139	139	140	140	140	138	153	168	162	148	149	154	158	148	144	142	137	136	139	138	138	137	139	144	0	8	35	173	18 04	134	39
17			✓	138	137	138	139	139	143	144	145	139	129	120	118	123	127	136	141	140	141	138	140	137	134	137	137	136	0	6	54	146	11 18	115	31
18			✓	138	139	138	142	142	139	137	138	141	138	138	135	130	142	151	143	141	143	138	138	138	138	138	138	139	1	14	21	153	12 08	127	26
19				137	136	139	142	142	142	143	148	143	137	132	129	131	131	127	132	140	146	142	142	141	140	139	139	138	0	7	14	150	14 38	122	28
20	✓			138	140	140	142	143	143	140	140	136	127	123	127	135	140	147	143	136	139	136	138	138	138	139	139	138	0	14	43	153	10 08	123	30
21	✓	✓		142	139	140	142	143	145	146	148	144	141	139	123	106	104	116	129	139	142	138	139	139	136	136	134	135	0	7	18	149	12 43	101	48
22				134	135	137	138	140	141	141	142	131	123	115	117	119	123	128	135	132	131	134	137	137	137	137	137	133	0	7	11	144	11 02	114	30
23				137	137	137	138	140	142	143	147	147	144	140	138	133	133	137	133	136	133	135	138	139	139	137	137	138	0	8	08	149	13 01	131	18
24	✓	✓		138	138	140	141	142	140	137	138	145	145	137	138	141	143	142	136	129	136	139	140	140	140	139	139	139	0	9	18	146	16 38	127	19
25				139	138	138	139	140	140	138	141	140	142	139	129	119	116	122	123	127	133	135	139	140	139	139	138	135	0	9	38	143	13 12	114	29
26	✓	✓		138	137	138	140	141	139	138	138	134	127	117	116	116	108	110	104	100	112	130	136	137	137	138	138	128	0	3	54	141	16 00	98	43
27	✓			138	139	140	142	142	138	137	143	147	151	149	144	138	138	142	141	139	140	138	140	141	139	139	140	141	0	9	16	152	6 11	134	18
28				140	140	139	139	141	139	136	141	139	144	141	140	145	145	148	148	139	135	137	140	140	140	141	142	141	0	15	08	150	17 38	135	15
29	✓			141	140	140	141	141	140	140	136	134	127	127	127	131	140	143	140	144	146	141	141	141	140	141	140	138	0	17	18	148	9 54	122	26
30	✓			139	139	139	140	141	140	135	131	122	122	126	127	139	158	157	143	134	136	137	139	139	139	139	138	137	0	13	42	163	8 48	118	45
31	✓	✓		136	136	137	139	139	136	135	137	141	142	144	153	160	162	161	151	142	136	137	141	141	141	141	140	143	0	13	51	164	17 41	133	31
MEANS ALL DAYS				138	138	139	140	141	141	141	145	144	141	139	137	134	133	132	131	132	135	136	139	139	139	139	138	138							33
MEANS TEN DAYS ✱				139	138	139	141	142	140	139	140	139	137	134	132	133	135	138	134	132	136	137	139	139	139	139	138	138							32
MEANS FIVE DAYS † (G. M. T.)				138	138	139	140	141	140	140	142	141	137	132	130	129	129	133	129	127	132	136 139 136 139	139	139	139	139	138	136							
MEANS FIVE DAYS ‡ (G. M. T.)				138	138	138	140	141	141	143	146	145	140	140	136	131	131	132	134	135	136	137	140	138	137	137	137	138							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 270

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1942

FEBRUARY 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			141	141	142	143	143	142	141	147	149	143	141	139	135	140	137	136	132	132	133	137	136	136	137	136	139	0	8	13	151	17	40	131	20
2				136	137	139	139	142	143	145	146	148	141	130	123	123	124	124	131	136	136	136	139	140	140	140	139	137	1	8	05	150	11	41	120	30
3	✓			139	140	142	142	144	143	139	141	137	134	130	132	130	135	139	142	138	134	138	141	140	140	140	140	138	0	4	23	145	10	26	127	18
4	✓			140	140	142	143	143	143	143	146	146	139	132	125	125	126	124	125	131	137	136	138	139	139	138	136	136	0	7	52	147	14	23	122	25
5			✓	135	137	138	139	142	143	147	162	165	161	147	140	129	130	137	130	130	133	134	135	131	130	134	134	139	1	8	02	168	12	38	126	42
6			✓	137	137	137	140	142	143	147	159	158	146	124	109	100	103	120	125	123	123	132	136	137	137	138	139	133	1	8	04	161	12	31	98	63
7				139	137	138	139	141	143	145	156	160	151	143	141	141	140	141	140	137	136	134	137	137	137	137	137	141	0	8	32	160	18	28	133	27
8	✓	✓		138	140	140	141	143	145	144	153	155	152	143	133	129	127	132	132	132	135	135	138	138	138	137	138	139	0	8	18	156	13	28	126	30
9	✓	✓		139	139	139	139	141	144	145	149	150	142	131	122	117	114	117	126	131	133	135	136	136	137	138	137	135	0	8	20	153	13	38	114	39
10				137	138	139	141	142	142	144	151	148	138	136	131	132	136	135	137	135	134	134	136	137	138	140	141	138	0	7	08	153	11	56	128	25
11				141	141	141	141	142	144	146	156	163	161	156	150	144	143	140	133	127	129	134	137	136	136	137	137	142	0	8	18	164	16	15	126	38
12	✓	✓		137	137	140	141	142	144	142	146	150	151	153	154	153	151	143	141	136	136	137	138	138	140	138	138	143	0	11	18	155	16	32	134	21
13	✓			140	139	139	141	142	142	146	151	153	144	144	142	140	137	137	128	124	124	130	136	137	137	138	137	139	0	8	22	155	17	08	122	33
14				136	138	138	139	141	142	138	138	144	149	159	167	170	162	160	157	150	137	137	134	136	136	136	134	145	0	12	18	172	19	43	133	39
15				136	137	138	141	142	143	138	141	142	141	140	133	129	132	137	134	133	131	133	134	137	137	137	137	137	0	5	11	146	12	18	128	18
16				138	136	139	140	142	142	142	146	149	153	157	154	152	157	164	156	147	142	138	138	137	135	137	138	145	0	14	28	166	21	50	134	32
17				138	139	141	142	144	143	141	138	136	134	131	134	143	147	147	144	141	136	135	136	136	136	136	138	139	0	14	08	149	10	48	130	19
18	✓	✓		139	139	140	141	144	144	142	142	139	131	127	123	121	121	120	121	128	134	133	136	138	139	139	140	134	0	5	18	145	15	02	119	26
19	✓	✓		138	139	141	142	145	145	143	152	151	147	144	139	138	141	138	137	141	143	137	138	138	137	137	139	141	0	8	01	155	15	28	135	20
20				138	138	141	142	144	145	146	156	160	155	146	142	140	141	146	140	137	134	133	136	137	137	136	135	142	0	8	16	161	18	28	132	29
21				137	138	140	141	142	144	146	155	169	178	165	147	141	139	127	115	111	118	127	133	136	137	138	136	140	0	8	59	187	16	31	110	77
22				137	139	141	142	143	144	143	147	149	148	148	145	145	146	143	140	137	134	134	137	140	142	141	142	142	0	8	10	150	17	42	132	18
23			✓	142	142	142	144	146	145	142	142	141	125	128	133	145	141	141	133	128	129	137	137	137	137	139	141	138	1	12	56	150	16	46	124	26
24			✓	140	138	140	141	141	143	145	148	149	149	149	151	150	148	140	133	128	128	131	134	134	136	139	138	141	1	11	55	152	16	51	124	28
25				141	142	142	144	143	143	141	145	147	149	154	155	151	150	142	136	134	132	129	137	138	138	137	137	142	1	11	10	158	18	28	127	31
26	✓			137	139	141	142	142	143	138	134	129	125	124	127	128	131	132	133	129	130	134	137	138	138	141	141	135	0	4	32	145	10	28	124	21
27				140	139	141	141	142	143	142	147	151	155	160	159	152	150	146	140	129	127	131	137	138	138	137	138	143	1	10	31	164	17	03	125	39
28			✓	138	139	142	143	144	142	138	138	123	113	120	135	157	154	147	139	134	134	136	137	138	138	138	138	138	1	12	31	162	10	00	109	53
29																																		
30																																		
31																																		
MEANS ALL DAYS				138	139	140	141	143	143	143	148	149	145	142	139	138	138	138	135	133	133	134	137	137	137	138	138	139								32
MEANS TEN DAYS ✻				139	139	141	142	143	144	142	146	146	141	137	134	132	132	132	132	132	134	135	138	138	138	138	138	138								25
MEANS FIVE DAYS † (G. M. T.)				138	139	140	141	143	144	143	148	149	145	140	134	132	131	130	131	134	136	134 135	137 137	137	137	137	138	138								
MEANS FIVE DAYS ‡ (G. M. T.)				138	139	140	141	143	143	144	150	147	139	134	134	136	135	137	132	129	129	134	137	137	137	138	138	138								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 271

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1942

MARCH 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M		MINIMUM H	MINIMUM M		RANGE
1			✓	139	140	146	130	143	154	151	161	172	175	172	170	169	161	155	147	141	138	139	137	142	138	140	144	150	2	9	18	185	3	41	117	68
2			✓	143	152	143	144	145	145	143	142	139	132	136	132	134	135	135	137	138	138	137	136	135	136	138	139	138	1	5	12	146	11	42	129	17
3			✓	139	140	139	139	139	145	142	142	140	130	127	124	125	143	144	141	137	136	137	138	137	137	139	139	137	1	13	51	146	12	27	121	25
4				141	141	143	142	142	144	143	143	141	136	133	129	128	128	132	129	132	132	134	137	138	138	138	137	137	0	5	31	145	12	52	125	20
5			✓	134	136	137	139	141	144	141	143	138	133	132	120	119	123	125	126	132	140	139	139	137	136	137	137	134	1	5	25	146	12	38	114	32
6				140	140	140	142	146	144	144	144	136	127	124	126	132	132	131	132	136	137	137	140	140	140	139	140	137	0	7	13	146	10	18	124	22
7				140	140	139	141	143	143	144	148	146	141	138	133	132	130	124	121	123	128	135	135	135	133	136	140	136	0	7	26	151	16	00	117	34
8			✓	140	140	140	141	142	144	145	151	151	148	146	141	134	131	130	126	123	127	135	138	135	134	135	137	138	1	8	21	153	16	28	121	32
9				139	137	140	140	142	144	144	150	153	151	148	146	145	146	142	136	132	130	134	139	140	141	141	140	142	1	8	21	154	16	48	128	26
10				142	141	141	142	143	145	143	140	139	138	143	147	146	150	145	134	133	136	140	140	138	138	138	142	141	1	13	25	152	15	53	133	19
11	✓			140	138	141	142	143	144	141	139	138	139	145	147	146	149	146	137	129	131	138	141	141	141	141	141	141	0	13	48	151	16	58	128	23
12	✓	✓		141	142	141	142	143	144	141	133	125	119	115	113	114	116	120	125	131	135	137	136	137	140	135	133	132	0	5	20	145	11	48	112	33
13				136	140	140	142	144	144	144	144	149	145	142	136	132	124	123	119	119	128	134	137	136	136	138	138	136	1	8	38	153	16	20	118	35
14				137	139	139	137	140	142	136	132	128	125	127	132	136	139	140	135	132	136	137	138	140	140	140	140	136	1	5	07	144	10	12	123	21
15	✓			140	141	142	143	143	143	141	139	135	134	136	137	135	133	132	126	127	132	136	138	138	139	139	139	137	0	4	33	144	15	41	125	19
16	✓	✓		140	140	141	143	144	144	145	148	144	143	144	148	147	144	138	138	138	139	141	141	140	139	140	142	142	0	7	18	150	14	18	136	14
17	✓			141	141	143	144	144	143	141	136	130	122	120	121	122	122	117	118	126	133	136	138	138	139	139	139	133	0	3	52	146	14	58	117	29
18				139	140	142	144	144	143	143	142	136	125	117	115	111	112	113	119	126	136	137	138	139	138	138	138	132	0	3	40	147	12	38	109	38
19				139	140	141	143	144	142	144	142	137	128	127	127	135	137	130	135	132	133	135	136	139	139	137	137	137	1	4	13	146	11	55	123	23
20				140	141	141	144	144	142	144	144	142	139	132	132	135	132	126	128	134	137	140	140	139	137	137	139	138	0	6	55	145	14	28	123	22
21				140	139	140	144	144	146	144	146	145	144	140	136	130	128	127	124	128	135	136	139	140	140	137	137	138	0	5	11	148	15	30	123	25
22				139	141	144	144	144	145	149	155	157	151	148	144	140	136	132	130	128	132	136	136	137	138	138	140	141	0	8	32	159	16	38	127	32
23				141	141	142	144	145	145	146	146	144	136	130	131	128	131	130	127	127	132	136	137	138	137	138	139	137	0	6	45	148	16	03	123	25
24	✓			138	140	141	142	145	145	145	145	140	132	128	128	135	139	135	135	135	136	138	139	138	138	138	138	138	0	7	28	145	10	56	126	19
25	✓	✓		139	140	140	142	143	144	140	138	135	131	130	135	135	134	127	125	125	131	136	138	139	139	139	139	136	0	5	28	144	15	43	122	22
26				141	143	142	144	147	151	146	145	137	140	135	127	125	123	124	124	124	129	136	136	137	136	136	136	136	2	5	22	152	11	48	109	43
27	✓	✓		139	141	141	142	143	143	143	141	137	136	133	133	134	132	125	121	127	133	136	137	138	139	139	138	136	0	5	11	145	15	15	120	25
28	✓	✓		141	142	143	143	145	146	144	143	145	145	147	155	161	156	151	141	131	129	137	139	141	141	137	137	143	0	12	38	163	17	02	127	36
29				139	141	141	142	143	143	142	137	128	121	119	121	124	124	120	116	120	129	134	137	137	137	138	139	132	1	5	21	143	15	38	115	28
30				141	141	141	142	143	143	145	147	146	141	141	138	146	152	160	153	146	145	142	141	141	141	141	139	144	1	14	38	163	11	25	134	29
31	✓			141	142	142	143	144	145	141	127	118	115	114	116	123	127	123	119	129	136	138	140	139	136	138	140	132	0	5	25	145	10	30	112	33
MEANS ALL DAYS				140	140	141	142	143	144	143	143	140	136	134	134	134	134	132	130	130	134	137	138	138	138	138	139	138								28
MEANS TEN DAYS ✲				140	141	142	143	144	144	142	139	135	132	131	133	135	135	131	128	130	134	137	139	139	139	138	139	137								25
MEANS FIVE DAYS † (G. M. T.)				140	141	141	142	144	144	143	141	137	135	134	137	138	136	132	130	130	133	137 137	138 138	138	139	139	138	138							
MEANS FIVE DAYS ‡ (G. M. T.)				139	140	141	139	142	146	144	148	148	144	143	137	136	139	138	135	134	136	137	136	138	137	138	140	140								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 272

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1942 — APRIL 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				140	142	142	142	142	143	141	137	133	127	125	130	136	142	144	141	138	138	140	139	138	138	139	140	138	1	14	12	10	08	23
2				140	141	141	141	141	141	141	138	130	127	115	109	110	110	110	114	119	129	136	137	137	136	134	136	130	1	3	40	12	22	36
3			✓	134	136	137	138	139	141	148	146	138	127	119	113	113	109	109	109	117	126	135	139	138	137	138	140	130	1	7	00	14	58	45
4			✓	139	139	141	142	143	143	147	149	146	141	131	134	133	133	134	132	133	138	139	139	140	139	140	139	139	1	6	58	10	38	23
5				140	141	142	143	144	145	150	155	150	141	130	124	126	127	129	128	134	136	138	140	140	140	141	140	138	0	7	48	11	24	34
6	✓			141	142	144	145	146	146	147	147	140	134	130	129	133	133	127	122	129	135	140	140	140	140	140	140	138	0	6	58	15	28	28
7	✓	✓		141	141	142	144	144	144	144	142	139	136	128	126	129	127	126	126	125	130	140	141	141	137	137	139	136	0	5	18	16	14	21
8				142	139	140	140	143	142	143	142	135	126	126	127	130	135	136	132	132	135	138	139	139	139	139	140	137	1	7	12	12	01	26
9				140	141	142	142	142	142	139	132	126	124	126	135	141	142	143	137	132	136	139	138	139	141	140	140	137	0	14	31	9	55	22
10	✓			140	142	142	142	143	143	143	140	133	128	123	120	122	126	128	127	126	132	135	135	135	135	138	142	134	0	5	42	11	20	25
11			✓	139	144	147	148	147	145	148	156	151	148	152	147	147	150	140	133	131	134	138	138	139	140	140	140	143	1	7	48	16	48	29
12	✓			141	142	143	143	145	147	147	143	138	131	127	132	137	143	145	142	138	136	138	139	140	141	141	141	140	0	5	47	10	18	24
13				142	143	143	146	147	148	146	139	127	121	120	124	136	142	141	130	125	131	133	135	133	135	135	141	136	0	3	48	10	52	30
14				142	143	145	145	146	146	147	145	141	133	127	124	124	127	128	126	126	132	135	136	138	139	141	141	137	1	4	14	12	20	28
15	✓			142	142	142	143	144	143	141	138	133	126	119	117	118	127	131	129	132	137	140	139	139	140	139	140	135	0	4	48	11	42	30
16				143	141	143	145	144	145	144	142	137	128	119	116	116	125	135	137	140	137	140	138	137	142	140	140	136	0	3	00	11	58	34
17			✓	144	146	144	145	146	147	150	150	146	134	126	121	128	138	136	130	131	135	137	138	139	142	139	139	139	1	7	08	11	48	30
18			✓	141	141	141	142	143	145	146	150	148	140	137	139	135	132	136	134	133	136	137	138	140	140	138	142	140	1	7	38	13	10	21
19				142	142	144	144	146	147	147	146	141	132	124	118	117	118	124	133	138	138	139	139	140	141	141	141	137	0	6	41	12	41	34
20				141	142	142	144	144	144	144	144	140	137	130	122	126	134	138	140	136	137	139	140	140	141	140	140	139	0	6	25	11	42	26
21	✓	✓		141	142	143	143	144	145	145	143	141	138	134	133	131	130	129	131	135	137	138	139	140	140	140	139	138	0	5	51	14	15	17
22	✓	✓		141	143	144	144	145	145	146	145	143	141	141	140	141	142	139	135	131	135	139	139	140	141	142	141	141	0	6	38	16	31	18
23				143	144	145	146	143	144	148	150	172	169	159	153	139	131	134	138	138	140	141	141	139	141	143	142	145	1	8	58	13	43	51
24				142	143	144	145	146	147	148	150	150	147	144	137	134	128	127	130	131	137	141	140	143	146	145	145	141	0	7	52	14	18	25
25	✓	✓		145	144	144	145	146	145	146	145	141	137	135	130	130	136	141	144	141	140	140	139	141	143	142	142	141	0	6	48	12	08	20
26	✓	✓		144	144	145	144	145	144	142	139	133	126	125	126	131	136	136	137	136	139	140	140	141	143	142	142	138	0	2	52	9	43	22
27				144	144	145	145	144	145	144	141	139	137	133	135	131	132	130	132	133	138	137	136	137	141	141	141	139	1	6	12	14	20	19
28				143	145	145	144	145	144	143	143	140	137	137	135	133	131	131	130	132	134	137	138	141	141	141	141	139	0	2	08	15	08	17
29	✓			141	142	143	143	144	144	143	138	135	133	129	128	135	144	144	145	143	140	140	140	141	142	142	143	140	0	5	48	11	18	18
30				144	143	145	144	145	145	145	146	148	145	143	139	138	140	143	143	137	137	140	139	140	140	142	142	142	1	8	22	17	03	15
31																																		
MEANS ALL DAYS				141	142	143	144	144	144	145	144	140	135	130	129	130	132	133	132	132	136	138	139	139	140	140	141	138						26
MEANS TEN DAYS ✱				142	142	143	144	145	145	144	142	138	133	129	128	131	134	135	134	134	136	139	139	140	140	140	141	138						22
MEANS FIVE DAYS † (G. M. T.)				142	143	144	144	145	145	145	143	139	136	133	131	132	134	134	135	134	136	140 139	140 140	141	142	141	141	139						
MEANS FIVE DAYS ‡ (G. M. T.)				139	141	142	143	144	144	148	150	146	138	133	131	131	132	131	128	129	134	137	137	137	138	138	139	138						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 273

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1942 — MAY 1942

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				142	144	146	143	143	144	146	149	145	136	125	119	118	119	118	123	132	137	136	138	140	140	141	141	136	0	7	15	151	12	51	116	35
2				143	143	143	143	143	145	144	142	138	136	136	132	129	133	136	140	139	137	136	138	140	142	141	142	139	0	5	43	147	12	08	129	18
3				144	143	143	143	144	144	147	149	144	138	130	123	121	124	129	134	135	135	137	139	140	141	140	141	138	0	7	15	150	12	18	121	29
4			✓	141	142	141	142	142	144	143	143	137	129	126	128	134	132	132	130	133	139	142	141	139	142	144	144	138	0	7	01	144	10	44	123	21
5			✓	144	146	146	146	146	148	149	145	137	130	126	126	125	126	127	128	129	133	137	138	139	141	142	142	137	0	6	42	150	11	54	123	27
6				144	142	142	142	143	142	141	141	136	132	136	136	137	138	136	132	130	134	138	138	139	140	140	140	138	0	0	37	146	16	35	128	18
7	✓			140	141	141	141	142	142	141	139	136	130	127	124	127	128	122	120	123	131	135	135	137	138	139	139	134	0	5	11	143	14	48	118	25
8	✓			140	141	141	142	142	142	140	135	130	126	120	119	115	115	117	119	121	131	133	137	139	140	140	140	132	0	5	34	143	13	08	113	30
9	✓	✓		140	141	142	142	142	141	143	149	150	151	148	145	142	142	137	130	130	134	137	138	138	140	142	142	141	0	9	08	152	15	45	129	23
10				142	143	143	143	145	145	145	141	135	133	135	133	138	145	146	142	137	136	137	138	139	140	140	141	140	0	13	55	149	11	12	132	17
11				141	141	142	142	142	141	142	141	135	129	126	126	127	130	131	126	128	133	136	137	138	139	140	140	136	0	6	48	144	15	18	124	20
12	✓	✓		139	140	141	141	143	143	145	147	145	137	130	126	117	115	123	131	133	136	137	138	139	140	140	141	136	0	7	52	148	13	02	114	34
13	✓	✓		141	142	142	142	141	141	141	133	123	115	114	116	116	123	126	127	132	136	135	137	138	140	140	141	133	0	23	55	143	10	00	112	31
14			✓	140	139	139	143	142	142	142	136	128	123	118	119	134	146	151	151	149	144	141	142	143	143	143	143	139	0	14	31	153	10	54	116	37
15				144	143	144	145	146	147	147	147	141	133	127	124	127	135	136	130	131	135	137	139	141	141	141	141	138	0	6	44	148	12	05	123	25
16				141	141	142	143	143	144	146	144	139	131	125	119	119	122	125	131	134	136	138	139	141	141	141	140	136	0	6	14	147	11	35	117	30
17	✓			142	142	143	143	143	142	144	145	142	138	137	136	133	126	123	126	130	136	138	141	142	144	144	144	138	0	7	01	146	14	00	122	24
18				144	144	145	145	145	146	147	146	138	131	130	133	133	132	129	126	129	136	140	140	141	142	142	143	139	0	6	58	149	15	14	126	23
19	✓			143	143	143	144	144	144	147	153	152	147	142	141	138	136	131	131	135	138	140	142	143	144	144	144	142	0	7	48	155	15	00	129	26
20				144	144	144	144	145	145	146	150	149	142	136	135	134	136	136	135	132	135	141	142	142	142	142	142	141	0	7	38	152	12	45	129	23
21				142	144	144	144	144	144	146	148	146	142	142	137	134	133	132	130	132	134	138	140	141	143	142	142	140	0	7	38	150	15	24	129	21
22				142	142	141	140	144	144	145	149	147	145	141	135	136	139	144	143	143	139	139	140	141	141	142	142	142	0	7	40	151	11	08	133	18
23				143	143	144	145	145	145	146	152	157	155	160	164	166	165	159	149	139	137	140	142	143	144	144	142	149	0	12	52	167	16	58	135	32
24				144	144	145	145	146	147	147	140	131	129	128	133	137	142	143	140	138	139	142	142	144	144	143	143	141	0	6	10	149	10	42	128	21
25	✓			144	144	144	144	145	145	147	148	144	141	138	137	138	139	133	132	135	137	140	140	142	142	143	143	141	0	7	32	149	14	58	131	18
26	✓	✓		143	143	144	144	144	143	142	134	127	122	121	125	128	125	120	121	127	135	139	139	139	141	142	142	135	0	6	12	146	14	38	118	28
27			✓	143	145	145	146	146	145	142	138	135	133	132	128	129	137	141	141	136	137	140	141	141	142	142	142	139	0	5	02	147	11	58	126	21
28			✓	141	141	142	145	145	144	146	142	133	128	122	124	127	130	127	127	129	132	137	139	140	141	141	141	136	0	6	20	147	10	45	120	27
29				141	141	142	143	143	143	144	139	134	128	128	131	131	129	136	135	130	132	136	138	139	139	140	141	137	0	6	30	146	9	28	131	15
30				142	142	143	143	144	143	145	146	145	140	139	142	139	136	134	134	134	137	140	139	139	140	139	140	140	0	7	42	148	14	58	132	16
31	✓	✓		141	141	142	143	142	143	144	140	134	126	125	130	133	134	137	137	137	138	138	138	139	141	141	141	138	0	6	15	146	10	08	123	23
MEANS ALL DAYS				142	142	143	143	144	144	145	144	139	134	131	131	131	133	133	132	133	136	138	139	140	141	141	142	138								24
MEANS TEN DAYS *				141	142	142	143	143	143	143	142	138	133	130	130	129	128	127	127	130	135	137	138	140	141	142	142	137								26
MEANS FIVE DAYS (G. M. T.) †				141	141	142	142	142	142	143	141	136	130	128	128	127	128	129	129	132	136	137 137	138 138	139	140	140	141	136								
MEANS FIVE DAYS (G. M. T.) ‡				142	143	143	144	144	145	144	141	134	129	125	125	130	134	136	135	135	137	139	139	139	141	142	142	138								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 274

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1942

JUNE 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			141	142	142	142	142	142	140	143	134	130	127	125	127	128	128	130	132	135	137	137	138	139	140	140	136	0	6 44	145	11 48	124	21
2	✓	✓		140	141	142	142	142	142	143	147	144	135	132	130	134	134	137	135	134	135	137	138	138	139	139	140	138	0	7 44	148	11 18	128	20
3				141	142	142	143	143	144	144	140	136	126	121	121	122	122	125	127	107	133	136	138	139	140	139	139	134	0	6 21	147	10 52	117	30
4	✓			139	139	140	140	140	140	144	149	152	154	152	149	148	138	135	134	135	136	136	137	139	139	139	139	141	0	9 18	156	15 08	132	24
5				139	140	140	140	140	141	142	144	140	133	128	131	135	134	131	126	125	132	135	138	141	140	141	139	136	0	7 23	145	16 08	124	21
6				139	141	142	142	142	142	142	142	142	138	132	131	133	138	136	131	133	138	140	141	141	142	142	141	139	0	7 53	145	11 42	129	16
7	✓	✓		141	141	140	141	140	141	143	145	143	144	144	143	144	139	131	134	136	137	138	138	139	141	141	140	140	0	7 51	146	14 18	129	17
8	✓			141	141	141	142	142	142	145	142	138	137	137	142	147	143	136	133	131	134	136	138	138	139	140	140	139	0	12 45	149	16 10	129	20
9	✓	✓		140	140	141	142	141	142	143	142	136	130	133	137	145	147	142	133	128	131	137	139	141	141	141	141	139	0	6 28	146	16 31	126	20
10	✓	✓		141	142	142	142	142	143	144	142	137	129	129	130	134	134	136	134	132	133	137	139	140	141	141	142	138	0	6 18	145	9 51	127	18
11			✓	141	142	142	146	145	144	144	142	134	124	127	121	126	127	127	133	141	141	140	141	141	142	143	144	137	1	3 22	148	11 28	118	30
12				143	142	141	143	144	144	144	139	134	129	124	123	125	129	133	137	138	139	139	141	141	140	142	143	137	0	5 26	146	11 23	120	26
13			✓	144	143	143	144	145	146	147	144	138	132	130	130	141	138	137	134	138	137	138	140	142	142	143	144	140	1	6 28	149	11 13	125	24
14				142	141	141	142	144	144	147	141	132	124	119	114	119	124	127	130	131	137	138	138	138	138	138	140	135	0	6 38	148	11 31	112	36
15	✓			140	141	140	140	141	141	144	144	135	128	123	130	138	131	128	125	127	131	135	138	138	139	139	139	136	0	6 48	146	10 35	121	25
16				140	139	141	142	141	141	143	147	145	142	141	138	135	135	139	143	142	139	138	138	139	139	138	138	140	0	7 18	148	12 32	131	17
17				138	141	140	139	139	141	142	141	137	134	131	132	131	122	120	129	135	137	138	138	139	140	140	141	136	0	6 56	143	14 22	117	26
18				141	141	141	141	141	142	145	144	138	131	125	120	124	130	123	122	128	134	137	138	140	140	141	142	135	0	6 58	147	15 45	122	25
19			✓	142	143	144	143	143	143	144	143	147	150	139	129	130	143	146	139	137	137	142	142	142	142	142	140	141	1	9 51	156	12 13	124	32
20				141	142	143	142	146	142	147	154	155	145	138	130	128	122	120	120	124	132	137	140	141	141	142	142	138	0	8 14	157	14 14	118	39
21	✓			142	141	142	142	142	142	143	146	146	148	144	139	140	145	143	135	134	138	139	140	141	142	142	142	142	0	9 43	149	15 58	132	17
22	✓	✓		143	142	142	142	142	143	143	141	135	129	125	127	134	134	137	135	132	135	139	140	142	142	143	143	138	0	6 18	146	10 36	125	21
23				143	144	143	144	144	146	147	144	140	137	137	140	141	137	135	129	125	134	138	139	138	140	142	144	140	0	6 38	148	16 15	124	24
24				144	144	144	145	145	145	146	141	134	133	136	136	141	141	138	138	138	138	138	141	141	142	143	145	141	0	6 30	147	9 06	131	16
25				145	147	146	146	146	147	148	140	135	131	128	124	129	129	129	130	130	136	140	141	143	143	143	144	138	0	6 31	150	11 22	123	27
26				143	144	144	144	144	144	145	146	143	139	142	141	142	143	144	148	145	143	143	143	144	144	144	145	144	0	15 40	150	9 17	136	14
27				144	144	144	145	145	146	148	149	146	143	137	136	139	137	129	126	132	136	140	140	141	141	141	141	140	0	7 28	151	15 15	124	27
28				141	142	142	143	143	144	144	142	139	135	135	135	139	138	136	132	131	135	139	139	139	141	142	143	139	0	5 28	145	16 14	128	17
29			✓	144	145	146	146	145	145	145	147	145	145	146	146	145	141	144	138	134	136	137	137	138	139	139	141	142	0	2 50	149	16 56	133	16
30			✓	139	140	142	143	143	143	146	142	135	130	131	129	123	120	127	129	130	133	137	136	138	139	139	138	136	1	6 32	147	13 11	118	29
31																																		
MEANS ALL DAYS				141	142	142	143	143	143	144	144	140	136	133	132	135	134	133	132	132	136	138	139	140	141	141	141	139						23
MEANS TEN DAYS ✱				141	141	141	142	141	142	143	144	140	136	135	135	139	137	135	133	132	134	137	138	139	140	140	141	139						20
MEANS FIVE DAYS † (G. M. T.)				141	141	141	142	141	142	143	143	139	133	133	133	138	138	137	134	132	134	138 138	139 139	140	141	141	141	139						
MEANS FIVE DAYS ‡ (G. M. T.)				142	143	143	144	144	144	145	144	140	136	135	131	133	134	136	135	136	137	139	139	140	140	141	142	139						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 275

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1942 — JULY 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				139	138	135	139	140	142	145	153	156	150	137	133	126	121	128	129	132	137	139	140	140	141	140	140	138	1	8 09	158	13 20	120	38
2	✓	✓		140	140	140	141	140	142	143	143	141	137	136	140	132	120	121	125	127	131	135	136	136	136	136	137	136	0	6 51	145	13 54	117	28
3	✓	✓		137	138	138	139	139	135	140	140	140	143	142	141	137	127	123	125	127	135	137	138	139	139	139	140	137	0	10 02	145	14 33	122	23
4	✓	✓		140	140	140	141	141	143	145	140	136	130	125	135	136	132	127	126	126	131	135	138	139	139	138	138	136	0	6 22	146	10 21	123	23
5	✓	✓		139	139	140	140	140	140	142	144	142	141	136	136	138	121	118	126	130	135	136	136	138	140	140	140	137	0	7 38	146	14 17	115	31
6	✓			140	140	141	141	141	141	142	143	144	141	140	145	149	150	144	131	129	132	135	138	139	139	139	139	140	0	13 13	151	16 42	128	23
7	✓			139	140	140	140	140	140	141	136	132	130	126	123	125	131	133	130	130	131	135	137	136	137	139	139	135	0	6 25	143	11 25	122	21
8			✓	140	141	139	141	141	145	143	142	133	121	115	111	111	116	123	123	125	132	136	136	137	139	138	138	132	1	5 11	148	11 42	107	41
9				138	139	139	139	138	138	141	141	137	136	134	129	126	131	134	129	125	128	134	134	138	137	138	138	135	0	6 50	143	16 32	124	19
10				138	137	139	139	139	139	142	142	141	134	132	131	133	131	131	130	126	130	135	138	137	142	141	139	136	0	6 40	144	16 33	125	19
11			✓	139	138	133	138	138	143	144	141	133	121	115	113	113	113	112	119	120	130	135	137	139	139	139	139	130	1	5 54	148	11 39	110	38
12				140	143	142	143	143	144	145	150	148	144	141	135	132	132	131	131	135	139	139	139	140	140	140	139	140	1	7 31	153	14 28	129	24
13				141	141	140	140	142	143	146	143	133	124	121	122	124	124	126	128	130	132	136	137	137	138	138	138	134	0	6 21	149	10 28	119	30
14				139	138	139	140	140	140	143	144	140	134	126	118	121	122	122	127	132	134	136	138	139	140	139	140	135	0	7 08	145	11 15	115	30
15			✓	137	140	140	141	143	141	145	147	146	138	126	121	119	123	127	127	137	139	139	136	138	140	141	143	136	1	7 34	149	12 02	117	32
16				140	141	141	142	143	144	146	148	140	126	115	104	102	109	117	126	129	134	136	137	139	139	139	140	132	0	7 28	149	12 38	101	48
17				139	139	139	141	141	141	143	146	145	143	143	148	145	143	145	143	140	139	138	139	139	140	140	141	142	0	11 28	149	17 38	137	12
18	✓			140	140	141	141	142	143	144	147	145	142	132	135	139	138	138	139	137	135	137	138	139	139	140	141	140	0	7 22	148	10 48	129	19
19	✓	✓		141	141	142	142	142	143	143	144	149	142	142	143	147	146	137	130	133	137	139	140	140	141	141	141	141	0	8 08	152	15 32	129	23
20			✓	143	144	144	145	146	144	146	143	138	133	129	128	124	123	118	122	128	136	140	142	140	140	142	143	137	1	4 11	150	14 53	117	33
21				140	141	143	143	143	143	145	144	136	128	124	128	130	131	130	128	133	137	138	139	140	141	141	141	137	0	7 01	149	10 56	123	26
22	✓			141	141	141	141	141	142	142	140	136	133	126	126	130	135	128	128	132	135	137	137	140	141	141	141	136	0	6 42	144	10 52	122	22
23	✓			141	141	140	139	140	140	140	144	141	135	135	132	125	121	117	121	130	131	136	138	139	139	140	139	135	0	7 22	145	14 28	114	31
24				139	141	141	141	141	142	143	143	142	141	141	144	144	135	123	128	133	136	137	139	139	140	139	139	139	0	12 01	152	14 30	121	31
25				139	142	140	142	144	145	148	150	146	135	128	128	127	119	117	125	130	134	137	139	139	140	140	140	136	0	7 24	153	14 08	116	37
26				140	140	140	142	142	142	144	142	136	130	128	135	141	125	122	127	128	133	138	138	140	142	140	139	136	0	6 44	145	14 18	120	25
27			✓	138	140	141	142	143	143	146	149	146	135	126	126	128	127	124	130	133	139	138	138	141	141	139	141	137	1	8 00	152	14 28	122	30
28				140	139	140	141	142	143	144	144	131	125	121	112	113	120	115	121	134	137	138	139	139	140	140	139	133	0	7 01	146	11 51	109	37
29				140	140	140	140	140	142	142	137	131	122	114	111	116	118	118	120	123	130	135	135	136	139	138	138	131	0	6 41	143	11 00	108	35
30				139	139	139	139	140	141	143	144	145	138	131	125	122	120	121	125	136	140	137	137	139	139	139	140	136	0	8 20	147	13 44	118	29
31				139	139	140	140	141	141	143	139	131	123	119	120	127	126	122	120	124	129	134	136	137	138	141	140	133	0	6 44	144	10 51	118	26
MEANS ALL DAYS				140	140	140	141	141	142	144	144	140	134	129	128	128	127	126	127	130	134	137	138	139	140	140	140	136						29
MEANS TEN DAYS ✱				140	140	140	140	141	141	142	142	141	137	134	136	136	132	129	128	130	133	136	138	138	139	139	140	137						24
MEANS FIVE DAYS † (G. M. T.)				139	140	140	141	140	141	143	142	142	139	136	139	138	129	125	126	129	134	137 136	138 138	139	139	139	139	137						
MEANS FIVE DAYS ‡ (G. M. T.)				139	141	139	141	142	143	145	144	139	130	122	120	119	120	121	124	129	135	138	138	138	140	140	140	135						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 276

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1942

AUGUST 1942

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			140	140	141	141	141	141	141	146	146	143	140	138	127	119	119	124	128	133	137	137	137	139	139	138	136	0	8	18	13	38	30
2	✓			138	138	140	140	141	140	141	146	144	141	135	129	126	116	115	118	122	128	134	136	136	137	138	137	134	0	7	42	13	51	34
3				138	138	139	141	140	139	141	143	141	144	133	128	130	123	125	131	136	138	138	137	138	138	138	138	136	0	7	18	14	01	24
4	✓	✓		139	138	139	139	139	139	140	139	141	135	132	130	129	126	122	125	130	131	135	138	139	139	139	139	135	0	8	22	14	38	21
5	✓			139	139	140	140	140	140	138	135	130	129	127	126	129	130	132	135	136	136	137	138	139	140	140	140	136	0	4	55	10	54	18
6				140	140	140	141	140	140	143	138	133	126	119	123	122	117	119	128	131	132	134	137	137	138	140	138	133	0	6	08	13	42	31
7				139	141	141	140	140	141	141	139	135	129	125	123	128	131	135	137	137	137	137	137	137	138	137	138	136	1	1	58	11	18	23
8	✓	✓		139	139	139	139	140	140	141	140	138	134	134	132	129	124	121	121	121	125	133	135	136	137	137	137	134	0	6	52	14	18	24
9				138	138	138	140	141	141	140	139	140	137	137	137	138	138	136	139	136	138	139	137	137	137	139	138	138	0	6	03	13	58	9
10			✓	138	139	139	140	141	143	146	139	124	115	104	111	112	104	108	108	115	125	133	134	134	135	136	135	127	1	6	31	10	38	49
11				135	136	138	139	139	140	143	144	139	136	132	131	131	130	132	135	135	135	135	136	136	137	137	136	136	0	7	09	13	28	17
12				137	137	138	139	139	141	141	132	124	120	123	129	132	129	131	133	131	131	132	135	137	137	137	137	133	0	6	10	9	18	24
13	✓	✓		137	138	138	139	139	139	140	134	132	127	127	122	125	125	121	122	123	129	132	134	135	136	136	137	132	0	6	11	11	38	23
14	✓			138	139	139	139	139	138	138	136	136	139	141	138	133	128	127	118	118	126	132	134	135	136	136	136	134	0	10	11	15	52	28
15				137	138	138	139	140	141	140	137	133	132	126	122	120	119	118	118	124	128	133	136	134	134	136	134	132	0	5	22	14	38	28
16			✓	135	137	139	141	142	143	145	146	146	145	148	149	146	137	128	119	128	131	133	135	137	140	140	138	139	1	11	58	15	30	39
17				138	140	141	142	141	141	141	139	138	139	138	137	138	137	135	128	129	135	136	137	136	137	136	137	137	1	3	10	16	08	17
18			✓	137	138	137	139	142	143	140	140	138	132	132	131	129	127	127	127	130	136	135	133	135	137	137	137	135	1	5	37	14	25	19
19			✓	138	138	138	140	141	142	142	141	137	136	135	132	131	129	124	122	124	129	133	135	135	134	137	138	135	1	5	51	15	33	23
20				138	139	138	140	141	142	143	136	129	125	125	124	119	113	114	120	126	132	135	135	136	137	137	137	132	1	6	05	13	48	37
21				137	139	138	138	139	138	139	141	141	141	142	141	141	141	136	128	127	131	132	134	136	138	140	139	137	0	10	42	15	58	18
22				138	137	140	140	140	140	141	140	141	143	141	136	137	140	132	124	124	128	135	137	134	136	137	138	137	0	9	40	16	07	22
23			✓	139	139	140	141	141	141	141	138	140	135	127	127	135	140	138	136	132	131	136	137	138	138	136	139	137	1	13	25	10	46	24
24				139	140	140	141	140	141	145	142	137	131	126	124	124	131	131	127	129	132	132	135	136	136	136	134	135	1	6	12	10	58	23
25				137	137	139	141	141	141	142	138	130	127	121	118	121	125	126	122	120	127	133	137	136	137	137	137	132	1	6	25	11	48	26
26				138	138	139	139	141	142	141	138	130	125	122	120	123	126	129	130	132	134	133	133	133	135	137	136	133	0	6	02	11	08	23
27				135	138	138	138	140	143	142	139	131	126	124	120	116	115	116	115	122	129	133	133	134	134	135	135	130	0	5	25	14	58	32
28	✓	✓		136	138	137	138	138	138	139	141	140	134	130	127	127	123	122	122	125	128	134	135	136	136	136	136	133	0	7	58	14	58	22
29	✓	✓		137	138	138	139	139	139	140	141	138	134	130	130	127	123	118	121	126	129	134	134	134	135	135	136	133	0	7	25	14	38	26
30	✓			135	135	136	138	139	140	140	136	129	127	126	127	129	127	126	130	132	132	135	134	134	135	134	134	133	0	6	55	13	28	19
31				135	135	136	136	139	140	144	148	149	151	153	155	152	145	138	142	131	131	134	136	136	136	136	135	141	0	10	58	16	38	27
MEANS ALL DAYS				138	138	139	140	140	141	141	140	136	133	131	130	129	127	126	126	128	131	134	136	136	137	137	137	135						25
MEANS TEN DAYS *				138	138	139	139	140	139	140	139	137	134	132	130	128	124	122	124	126	130	134	136	136	137	137	137	134						24
MEANS FIVE DAYS † (G. M. T.)				138	138	138	139	139	139	140	139	138	133	131	128	127	124	121	122	125	128	135 134	135 135	136	137	137	137	133						
MEANS FIVE DAYS ‡ (G. M. T.)				137	138	139	140	141	142	143	141	137	133	129	130	131	127	125	122	126	130	134	136	135	136	137	137	134						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

TABLE 277

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1942 — SEPTEMBER 1942

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				136	136	136	138	138	140	143	142	140	131	124	126	135	136	133	132	132	134	136	136	136	135	135	135	135	0	6	08	146	10 38	121	25
2				135	139	135	136	138	139	140	139	134	130	127	125	126	123	119	120	125	130	134	137	136	135	135	135	132	0	1	37	141	4 23	119	22
3	✓			134	135	136	137	138	139	139	134	124	118	114	114	109	105	103	109	116	125	131	133	132	133	134	133	126	0	5	51	140	14 19	102	38
4				134	134	135	136	136	138	136	132	128	122	120	117	117	114	113	111	117	127	129	131	131	132	133	131	127	0	5	52	139	15 12	111	28
5				132	135	136	136	137	137	137	135	131	128	127	127	124	124	124	125	124	129	132	134	134	134	134	135	131	0	6	28	138	16 18	121	17
6			✓	136	136	136	137	139	139	140	140	132	133	131	132	138	137	141	138	133	130	133	136	136	136	136	136	136	1	13	58	143	10 38	128	15
7				136	136	137	138	138	138	138	132	127	128	126	129	132	125	130	129	127	129	131	132	134	132	133	134	132	0	6	04	140	13 33	122	18
8				134	135	135	136	137	138	137	136	136	134	134	135	142	143	138	133	133	134	135	134	135	135	134	135	136	0	12	45	145	15 28	132	13
9	✓			136	136	136	136	138	138	135	129	122	116	112	118	122	127	132	132	129	129	132	132	132	133	133	133	130	0	5	52	139	10 20	111	28
10	✓			135	134	135	136	137	136	137	139	135	129	126	131	136	132	128	123	126	130	133	135	135	136	135	135	133	0	7	08	140	15 11	123	17
11			✓	137	137	138	139	141	141	144	148	146	144	137	137	133	130	123	124	130	129	131	129	137	137	135	136	136	1	7	57	151	14 28	119	32
12			✓	137	141	141	140	141	142	142	142	141	136	124	123	131	129	125	122	125	130	135	135	134	134	135	136	134	1	6	52	147	10 48	118	29
13				136	137	137	139	139	138	135	132	131	126	118	113	116	117	124	132	136	134	136	135	137	136	136	136	132	0	4	41	141	11 28	109	32
14				137	138	139	138	139	140	142	136	128	119	106	99	104	110	110	117	126	132	134	135	134	136	135	135	128	1	6	51	142	11 31	96	46
15				135	136	136	138	139	140	147	149	144	141	139	134	128	131	130	130	133	134	134	133	133	134	133	135	136	1	7	10	151	12 18	125	26
16				135	135	136	137	138	139	144	148	148	148	144	140	137	132	120	117	117	125	132	134	137	136	135	134	135	1	7	38	151	14 58	116	35
17			✓	135	133	135	136	138	139	146	151	154	146	133	116	105	105	107	109	112	119	129	132	133	132	132	133	130	1	8	08	156	13 28	102	54
18				132	133	134	136	137	137	141	150	152	147	137	128	130	128	130	130	134	134	134	133	135	133	133	133	135	1	8	09	155	13 28	126	29
19				135	136	136	138	139	138	138	135	131	125	123	119	118	119	121	121	124	127	131	129	130	132	132	133	130	1	6	18	140	13 08	117	23
20				132	134	135	135	136	137	135	139	141	139	141	138	138	135	127	126	127	129	130	132	133	133	133	133	134	1	8	15	143	15 06	124	19
21			✓	133	134	137	138	140	137	141	141	135	128	127	125	129	126	121	117	119	125	130	131	132	133	133	133	131	1	6	58	144	15 08	116	28
22				133	133	134	135	135	136	135	131	122	114	116	121	121	116	120	121	122	126	130	133	132	134	134	135	128	0	6	00	138	9 38	112	26
23	✓			134	135	137	137	137	137	136	134	132	125	120	123	121	124	133	133	131	128	129	129	132	134	133	134	131	0	4	08	137	10 05	120	17
24	✓			134	133	134	134	135	135	133	126	121	114	110	102	98	101	109	117	122	128	132	133	133	134	133	134	124	0	5	59	137	12 08	95	42
25	✓	✓		135	135	136	135	136	137	139	137	131	128	124	119	121	123	128	134	134	130	130	133	133	134	134	134	132	0	6	34	139	11 31	117	22
26	✓	✓		134	134	136	137	138	138	137	133	127	122	123	126	130	137	142	143	142	139	134	135	135	135	135	135	134	0	15	48	145	9 48	120	25
27				134	135	135	136	137	138	141	142	136	133	132	133	133	132	131	132	136	136	135	135	134	135	135	135	135	0	7	04	143	10 08	130	13
28	✓	✓		135	135	136	136	137	137	137	137	134	123	116	116	119	125	134	135	133	133	133	133	133	134	133	134	132	0	7	01	139	11 08	115	24
29	✓	✓		135	135	136	137	137	138	138	138	133	126	120	116	112	114	116	118	123	130	133	133	134	134	133	133	129	0	6	57	141	12 08	110	31
30	✓	✓		134	134	135	136	136	137	140	141	136	131	127	123	122	122	126	126	124	126	129	131	132	132	132	132	131	0	7	34	143	13 08	120	23
31																																		
MEANS ALL DAYS				135	135	136	137	138	138	139	138	134	129	125	124	124	124	125	125	127	130	132	133	134	134	134	134	132							27
MEANS TEN DAYS #				135	135	136	136	137	137	137	135	130	123	119	119	119	121	125	127	128	130	132	133	133	134	134	134	130							27
MEANS FIVE DAYS † (G. M. T.)				135	135	136	136	137	137	138	137	132	126	122	120	121	124	129	131	131	132	133 / 132	133 / 133	133	134	134	134	132							
MEANS FIVE DAYS ‡ (G. M. T.)				136	136	137	138	140	140	143	144	142	137	130	127	127	125	123	122	124	127	132	133	135	135	134	135	133							

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 278

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		133	133	134	134	136	136	136	133	127	125	123	121	120	121	126	120	118	124	130	130	131	133	130	130	128	0	5	52	138	16 14	116	22
2			✓	129	129	129	130	134	137	137	130	130	125	120	125	117	113	116	117	121	124	130	131	131	131	129	130	127	2	5	52	140	13 05	108	32
3			✓	131	133	133	133	135	134	130	126	120	113	103	104	106	103	108	118	125	130	131	133	134	132	133	134	124	1	5	13	137	13 32	99	38
4				134	133	135	135	135	134	134	127	123	121	121	124	127	128	128	124	119	122	126	130	131	130	130	130	128	1	4	16	137	16 36	118	19
5				133	131	132	133	135	133	131	130	121	117	121	120	116	120	118	114	118	125	130	131	132	132	134	134	127	1	4	20	137	15 23	113	24
6	✓			134	134	134	135	135	135	133	133	135	133	133	132	130	130	127	126	129	132	133	131	131	131	132	133	132	0	4	00	136	15 01	125	11
7				133	134	134	135	136	136	136	132	127	125	127	129	124	122	120	121	125	128	130	131	131	131	132	132	130	0	6	26	138	14 48	118	20
8				133	133	133	134	135	135	136	135	130	124	127	134	134	142	150	148	139	131	133	134	133	133	134	134	135	0	14	45	153	9 38	123	30
9	✓	✓		134	134	134	136	137	138	138	138	134	134	133	131	133	136	137	135	133	130	131	133	133	133	134	134	134	0	7	01	141	17 18	128	13
10	✓			133	134	134	135	137	137	137	134	129	122	122	122	124	125	125	127	128	130	133	132	131	132	133	133	130	0	4	46	139	9 28	120	19
11				134	134	135	135	137	138	133	124	115	107	106	107	117	126	130	135	138	139	138	133	131	130	130	129	128	0	17	38	142	9 53	103	39
12			✓	130	132	133	134	135	138	138	131	127	117	110	105	104	107	115	118	124	127	130	132	132	131	133	131	126	1	6	22	141	12 11	100	41
13				133	133	134	135	137	139	142	138	128	119	121	113	104	113	115	117	122	126	129	131	131	131	130	130	127	1	7	01	143	12 28	102	41
14				132	131	131	133	134	135	138	137	133	128	120	112	106	106	107	111	118	129	130	132	131	131	130	132	126	1	6	50	140	12 11	105	35
15				128	130	131	132	134	135	134	129	118	113	110	101	101	104	110	107	114	119	125	130	130	128	131	131	122	1	4	55	136	11 53	99	37
16				130	130	130	132	133	135	134	128	118	114	108	102	104	108	110	111	118	125	128	132	130	131	132	131	123	1	5	42	137	11 11	100	37
17				131	131	131	131	132	134	133	132	127	126	124	117	114	111	109	110	117	122	129	130	131	130	130	131	126	0	6	58	135	15 08	107	28
18				131	131	132	132	132	132	130	125	118	116	118	121	114	107	107	108	115	122	126	126	128	126	128	129	123	1	5	08	134	13 18	104	30
19				130	131	131	131	132	133	131	128	128	126	123	131	133	133	128	120	120	124	129	131	131	131	130	129	129	1	13	10	136	15 51	116	20
20				129	129	131	131	132	133	135	136	133	129	126	125	126	127	129	122	121	123	127	128	129	131	132	131	129	0	7	14	138	16 28	120	18
21	✓			131	132	133	134	134	134	133	129	121	120	119	121	126	129	130	126	127	127	131	131	129	130	131	131	129	0	4	52	136	10 20	117	19
22	✓	✓		131	132	134	135	135	134	130	123	120	116	115	118	120	118	124	132	134	135	133	134	133	133	132	132	128	0	4	13	136	9 52	114	22
23	✓	✓		132	133	134	134	134	134	137	136	130	124	124	127	126	128	127	119	122	127	129	131	131	132	132	132	130	0	7	01	139	15 31	116	23
24	✓	✓		132	132	133	134	134	134	135	132	128	129	126	123	122	123	125	128	132	134	134	133	132	130	130	129	130	0	6	35	137	12 05	120	17
25				129	128	129	132	135	136	138	137	135	136	137	137	134	130	128	127	128	130	133	133	132	132	131	131	132	1	7	01	141	15 58	125	16
26	✓			133	132	133	133	136	136	133	133	133	136	135	132	131	131	126	117	119	126	129	132	133	132	132	133	131	0	9	38	137	15 58	115	22
27	✓			133	133	134	136	138	139	137	136	136	136	130	129	125	128	127	124	128	133	137	137	137	137	138	138	134	0	5	22	140	12 30	123	17
28			✓	137	137	139	140	141	141	140	131	124	122	114	108	114	125	136	125	126	131	135	133	132	132	130	130	130	2	14	07	147	11 15	101	46
29			✓	132	131	131	131	135	134	141	144	142	142	135	121	119	121	115	117	122	128	133	135	135	132	131	131	131	1	7	28	148	14 22	109	39
30				132	132	133	135	137	139	142	145	142	139	136	131	131	133	129	124	121	126	130	132	135	133	132	134	133	1	7	11	146	16 20	118	28
31				134	135	136	137	138	141	139	141	138	139	142	137	132	124	119	115	119	124	131	135	135	134	134	135	133	1	10	16	145	15 38	114	31
MEANS ALL DAYS				132	132	133	134	135	136	136	133	128	125	123	121	120	122	123	121	124	128	131	132	132	131	132	132	129							27
MEANS TEN DAYS ✱				133	133	134	135	136	136	135	133	129	128	126	126	126	127	127	125	127	130	132	132	132	132	132	132	131							18
MEANS FIVE DAYS † (G. M. T.)				132	133	134	135	135	135	135	132	128	126	124	124	124	125	128	127	128	130	131 131	132 132	132	132	132	132	130							
MEANS FIVE DAYS ‡ (G. M. T.)				132	132	133	134	136	137	137	132	129	124	116	113	112	114	118	119	124	128	132	133	132	133	131	131	128							

CHARACTER

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 279

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1942

NOVEMBER 1942

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M	MINIMUM H	M	RANGE
1				133	133	136	137	138	141	143	147	149	154	147	145	140	129	119	114	116	122	130	131	131	132	131	131	135	0	9	09	156	15	21	112	44
2				130	131	131	133	136	137	137	140	146	151	144	138	136	132	124	117	119	125	131	133	133	133	133	133	133	0	9	28	155	15	21	115	40
3				134	136	136	136	136	137	137	139	142	144	142	140	140	143	140	132	125	128	133	132	132	132	132	133	136	0	9	31	145	16	35	123	22
4				133	132	133	135	136	136	141	145	142	144	144	143	142	137	124	113	111	122	129	131	131	131	132	132	133	0	6	41	147	15	58	108	39
5	✓			132	132	134	135	136	132	132	130	125	125	125	123	124	122	121	120	122	126	129	133	131	130	131	133	128	0	4	28	137	15	26	117	20
6	✓			134	134	135	136	136	135	134	132	133	138	137	139	143	140	140	136	134	134	134	133	133	133	133	134	135	0	12	51	144	7	38	131	13
7	✓			135	134	135	136	136	131	129	130	134	135	136	140	134	127	123	117	120	130	133	134	135	135	135	135	132	0	11	21	143	16	10	116	27
8				133	132	134	134	137	137	137	134	133	133	131	126	121	122	125	124	127	133	135	133	133	134	134	134	132	1	5	15	139	12	38	119	20
9	✓	✓		134	135	137	137	137	135	131	129	129	128	129	136	143	149	150	142	136	136	138	137	136	135	135	134	136	0	14	18	152	9	29	127	25
10				134	135	136	137	138	137	137	137	133	136	136	131	130	139	143	135	129	130	137	136	135	137	136	134	135	1	14	00	145	12	00	126	19
11				133	134	134	135	136	134	136	136	137	129	128	137	133	129	120	119	123	129	132	134	134	133	133	132	132	0	7	55	139	15	28	118	21
12				134	134	134	135	137	135	135	137	137	134	135	141	142	140	138	137	134	134	134	136	136	137	136	135	136	0	12	18	145	0	18	133	12
13				134	134	134	136	138	138	141	145	147	148	148	147	134	127	123	119	123	131	135	136	135	134	134	134	136	0	8	43	154	15	28	117	37
14				134	131	134	135	138	138	144	149	152	153	151	148	139	126	116	114	118	127	134	134	134	134	132	132	135	1	9	19	155	15	12	113	42
15				133	134	134	135	136	136	139	148	153	152	147	143	138	134	132	131	131	131	132	135	135	135	136	135	137	0	8	53	155	15	58	130	25
16	✓	✓		135	135	135	136	137	138	140	141	148	148	148	149	145	144	144	140	136	135	136	135	136	136	135	135	139	0	9	05	151	17	18	134	17
17	✓	✓		135	135	135	135	135	134	131	132	138	140	139	134	126	122	124	123	120	123	129	128	128	128	128	128	130	0	9	32	141	16	57	118	23
18				128	127	129	130	132	131	127	127	130	134	134	132	130	132	132	125	120	124	130	130	130	129	129	128	129	0	11	06	135	17	01	120	15
19	✓	✓		127	128	128	128	130	128	124	123	126	124	120	123	120	120	114	109	110	120	129	135	133	132	131	131	125	0	19	19	138	15	45	106	32
20				130	130	131	132	132	130	128	134	132	132	138	139	138	137	139	135	133	131	134	134	133	132	131	132	133	1	11	08	143	6	21	126	17
21	✓			133	133	134	135	135	133	126	121	115	114	119	121	118	117	118	119	120	126	135	134	134	134	133	133	127	0	4	38	136	8	44	113	23
22	✓	✓		134	133	133	133	133	131	126	121	120	120	121	122	116	111	110	109	112	120	129	131	129	130	131	129	124	0	0	55	135	14	53	107	28
23			✓	128	128	130	130	132	128	124	125	125	127	124	135	148	146	139	130	126	123	126	125	126	127	126	125	129	1	12	37	152	6	48	120	32
24			✓	127	126	127	126	129	136	143	150	150	143	138	133	127	118	115	117	122	126	128	130	131	128	130	128	130	1	8	28	154	14	25	111	43
25			✓	128	128	132	132	132	132	134	136	138	134	129	125	120	118	121	122	122	126	129	128	127	126	127	125	128	1	8	21	139	13	10	118	21
26			✓	128	129	126	130	132	130	134	137	139	134	131	126	126	128	126	125	124	124	127	128	127	127	127	127	129	1	8	41	141	14	58	120	21
27				127	128	129	129	132	134	133	140	140	132	128	124	116	113	116	116	123	126	129	132	131	131	131	130	128	0	7	38	143	13	21	111	32
28			✓	129	129	131	132	133	132	132	132	132	125	126	120	114	114	118	120	120	124	130	129	128	128	129	128	126	1	5	12	134	13	04	111	23
29				129	129	130	131	133	136	137	144	145	144	134	128	124	120	116	115	117	120	125	128	128	128	128	128	129	1	8	31	149	15	18	113	36
30	✓			128	128	128	131	132	129	127	135	138	138	135	131	131	134	132	123	118	121	127	128	128	128	128	128	129	0	9	38	140	16	38	117	23
31																																				
MEANS ALL DAYS				132	132	132	133	135	134	134	136	137	136	135	134	131	129	127	123	123	127	131	132	132	132	132	131	132								26
MEANS TEN DAYS *				133	133	133	134	135	133	130	129	131	131	131	132	130	129	128	124	123	127	132	133	132	132	132	132	131								23
MEANS FIVE DAYS † (G. M. T.)				133	133	134	134	134	133	130	129	132	132	131	133	130	129	128	125	123	127	134 132	133 133	134	134	133	133	131								
MEANS FIVE DAYS ‡ (G. M. T.)				128	128	129	130	132	132	133	136	137	133	130	128	127	125	124	123	123	125	128	129	129	128	129	127	129								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 280

VERTICAL INTENSITY

100′ PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1942

DECEMBER 1942

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				128	129	130	132	132	129	130	139	141	140	140	135	127	116	118	115	113	118	125	128	128	128	128	128	128	0	8	38	16	18	32
2	✓			128	128	129	130	130	128	130	130	129	129	132	136	140	135	125	120	117	121	129	130	130	131	131	131	129	0	12	13	16	08	26
3				129	127	128	129	129	126	124	127	131	131	136	130	124	122	113	104	106	117	123	127	128	129	128	127	125	0	10	48	15	41	36
4				127	129	127	127	129	127	127	129	123	117	122	125	122	115	113	108	109	117	122	126	126	125	125	126	123	1	7	12	16	08	25
5	✓			127	127	127	129	129	127	129	134	137	134	137	137	134	134	127	121	118	121	125	128	127	127	128	128	129	0	10	33	16	08	21
6	✓			128	127	129	129	129	129	129	129	131	132	134	130	125	121	115	109	113	118	123	125	124	124	124	124	125	0	10	28	15	22	29
7				125	126	127	129	129	131	134	139	145	133	131	132	130	125	124	124	123	125	127	128	126	127	128	128	129	0	8	32	14	01	28
8				128	128	129	131	133	133	133	132	132	130	130	130	128	124	124	126	122	124	129	129	127	126	125	124	128	1	7	10	16	54	15
9			✓	125	126	128	128	129	129	129	130	130	129	142	140	129	121	114	122	128	125	122	122	125	123	122	122	127	1	10	47	14	11	39
10			✓	122	122	124	126	129	128	130	131	131	126	129	129	122	123	125	122	122	123	126	128	128	128	126	123	126	1	7	19	12	54	18
11				123	134	127	128	128	127	127	132	134	133	133	133	135	141	149	144	137	133	132	133	132	131	130	130	133	0	14	45	0	26	29
12				129	128	128	130	132	131	134	142	151	147	141	134	126	122	124	123	127	129	132	134	132	131	131	131	132	1	8	43	13	14	35
13	✓			131	131	131	133	134	131	127	131	129	123	120	120	123	123	122	123	125	130	134	134	132	130	130	130	128	0	5	05	11	05	20
14				129	128	128	128	129	130	130	132	135	134	136	134	131	127	126	120	118	123	130	131	131	131	130	130	129	0	8	32	16	45	23
15				130	129	129	130	132	129	132	136	136	129	130	130	130	128	123	122	123	129	131	132	131	130	129	129	130	0	8	03	14	54	18
16				129	129	129	129	129	127	130	138	143	143	142	150	157	153	147	133	129	130	133	133	133	132	132	132	136	0	12	51	16	55	35
17	✓	✓		131	132	131	132	132	130	133	139	131	124	124	127	122	117	116	110	110	117	126	127	127	128	129	131	126	0	7	33	15	31	33
18	✓	✓		130	130	130	131	131	129	135	146	153	149	149	144	132	123	119	115	112	119	127	130	130	129	129	130	131	0	8	32	16	38	45
19	✓	✓		130	131	131	132	132	132	136	140	136	135	138	142	138	131	125	122	121	122	130	130	129	130	128	129	131	0	11	28	16	38	26
20				128	129	130	130	131	129	123	121	120	122	118	112	106	107	113	122	122	127	133	131	131	125	126	125	123	0	4	31	12	58	29
21			✓	125	126	128	129	131	132	129	132	143	154	138	131	128	115	107	109	107	119	122	120	120	119	118	119	125	1	8	32	14	38	46
22				120	122	122	123	125	124	126	129	128	129	131	135	136	136	134	132	133	130	128	127	127	127	126	126	128	1	12	52	0	08	22
23			✓	124	123	126	126	126	131	128	129	128	127	124	124	114	113	115	115	115	122	127	126	126	126	126	127	124	1	5	34	12	48	24
24				126	126	127	129	131	129	131	144	144	144	150	151	138	128	122	121	121	121	126	129	127	129	128	129	131	1	11	07	17	01	34
25				128	129	129	130	133	132	128	129	130	130	130	127	132	141	131	121	123	126	127	128	127	129	127	125	129	0	13	28	15	38	25
26			✓	125	126	128	130	131	130	129	133	129	120	125	117	118	126	130	129	121	121	126	129	129	129	128	127	126	1	7	28	9	50	20
27				127	126	128	129	130	131	133	139	136	131	126	122	113	116	128	131	130	133	131	129	128	127	127	127	128	0	7	51	13	08	29
28				127	128	129	130	132	131	132	136	138	138	132	119	116	121	123	124	127	128	129	129	128	127	128	128	128	0	8	36	12	24	26
29	✓			128	128	128	130	131	129	130	135	140	137	127	125	123	124	128	130	125	124	128	129	130	130	129	129	129	0	8	24	12	53	19
30	✓	✓		129	130	130	132	132	130	133	139	140	141	142	137	129	129	133	128	128	129	127	128	128	129	129	128	132	0	9	40	12	49	19
31	✓	✓		128	128	128	129	131	131	133	138	142	139	144	136	127	127	133	126	119	124	127	129	129	129	129	129	131	0	10	39	16	38	26
MEANS ALL DAYS				127	128	128	129	130	129	130	134	135	133	133	131	128	125	124	122	121	124	128	129	128	128	128	127	128						27
MEANS TEN DAYS *				129	129	129	131	131	130	132	136	137	134	135	133	129	126	124	120	119	122	128	129	129	129	129	129	129						26
MEANS FIVE DAYS † (G. M. T.)				130	130	130	131	132	130	134	140	140	138	139	137	130	125	125	120	118	122	128 127	129 129	130	130	130	130	130						
MEANS FIVE DAYS ‡ (G. M. T.)				124	125	127	128	129	130	129	131	132	131	132	128	122	120	118	119	119	122	125	127	127	126	125	124	126						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 281

DECLINATION

JANUARY 1943

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1	✓			415	413	411	412	412	410	405	413	418	423	434	454	461	444	432	422	415	419	426	429	429	425	422	418	423	0	12	23	464	6 29	404	60
2				414	409	406	407	410	410	405	407	415	422	433	441	440	439	438	431	431	428	426	427	427	424	421	417	422	0	12	48	444	6 46	402	42
3				412	409	408	407	406	409	405	409	415	420	419	434	434	429	424	431	432	429	429	431	438	435	427	421	421	1	20	24	441	3 55	403	38
4			✓	416	414	408	412	412	408	394	402	419	413	421	438	441	429	429	430	431	424	429	431	425	422	424	422	421	1	12	44	456	6 52	390	66
5				417	412	415	415	414	412	400	404	414	414	426	437	434	430	429	430	430	425	424	427	425	424	425	424	421	1	11	28	444	6 42	398	46
6				420	416	414	413	414	413	412	412	413	416	431	451	451	444	429	419	412	415	420	423	421	420	422	423	422	0	11	35	458	6 57	409	49
7	✓	✓		421	418	415	414	415	415	409	417	429	436	443	448	443	441	432	421	413	414	416	421	423	423	422	422	424	0	11	03	450	6 32	408	42
8	✓			418	416	414	413	412	405	389	393	414	433	435	437	445	443	439	431	424	420	416	428	431	428	424	421	422	0	12	22	451	6 45	385	66
9				419	415	410	404	407	408	398	403	417	426	439	443	445	452	435	429	424	418	418	422	427	424	424	424	422	0	13	34	456	6 43	395	61
10				420	415	415	413	414	411	396	394	408	414	429	431	429	424	418	411	409	418	419	425	427	425	424	422	417	0	11	46	433	7 11	391	42
11	✓	✓		417	414	414	414	415	414	406	405	410	426	448	455	448	426	414	403	399	411	416	425	430	429	428	425	420	0	11	16	455	16 27	397	58
12				419	409	408	408	407	409	400	402	414	422	435	445	438	425	423	416	414	420	423	424	424	424	424	422	419	0	11	35	448	6 54	399	49
13	✓	✓		420	416	414	411	412	414	411	410	411	415	423	430	431	423	424	421	415	418	422	423	424	422	422	422	419	0	12	02	434	7 12	408	26
14	✓	✓		419	416	415	414	414	412	406	415	429	430	439	446	440	432	424	415	408	415	422	424	424	424	421	417	422	0	11	42	449	6 36	404	45
15	✓	✓		414	412	409	408	406	405	398	412	431	448	451	449	444	428	412	398	398	408	420	424	423	423	422	418	419	0	10	37	458	16 18	393	65
16				415	412	411	408	407	407	404	408	417	427	434	438	438	432	421	418	416	418	426	425	427	428	428	422	420	0	12	13	441	6 27	402	39
17			✓	419	415	402	399	402	401	385	386	400	425	431	457	441	448	434	414	407	416	430	429	425	425	423	419	418	1	11	32	463	7 04	379	84
18				414	408	405	405	409	408	402	409	419	430	444	448	455	458	443	434	425	422	419	423	424	423	419	415	423	0	13	02	462	6 48	400	62
19				413	409	405	407	409	410	405	411	412	421	431	434	429	421	415	418	415	420	423	425	424	423	419	415	417	0	10	55	435	2 24	403	32
20			✓	410	399	399	398	394	398	392	409	415	424	430	442	449	453	448	443	442	432	438	444	442	431	422	418	424	1	12	34	458	6 30	385	73
21			✓	414	403	394	392	391	384	386	405	423	439	449	450	449	444	439	431	422	421	423	433	426	425	424	418	420	1	11	23	456	5 18	381	75
22			✓	413	408	403	402	399	401	392	401	416	432	443	439	441	433	424	422	410	409	419	429	426	422	422	420	418	1	10	59	451	6 28	389	62
23				413	412	413	414	412	409	405	414	423	440	459	449	434	432	425	419	408	410	417	423	423	422	419	418	421	0	10	39	467	6 05	402	65
24				417	413	412	412	409	403	396	403	422	444	466	471	471	461	445	421	412	411	415	419	422	422	420	418	425	0	12	24	474	6 31	393	81
25	✓			413	413	413	413	412	408	399	408	419	429	442	452	448	445	443	437	422	416	415	420	421	421	421	416	423	0	11	40	453	6 40	396	57
26				410	406	404	401	394	394	393	398	416	428	437	435	418	417	418	413	411	413	421	423	424	423	420	418	414	0	10	32	442	6 53	390	52
27				415	412	408	406	404	402	394	397	403	405	438	448	448	448	446	431	412	412	415	421	422	421	418	413	418	0	13	39	453	7 00	392	61
28				410	406	403	402	398	401	395	402	423	447	461	464	459	451	439	414	402	411	422	424	425	422	420	404	421	0	11	31	472	6 39	392	80
29	✓			412	411	408	408	409	408	402	411	424	442	449	443	438	431	431	422	415	415	419	421	421	422	419	415	421	0	10	44	453	6 40	400	53
30				411	408	405	408	409	411	402	407	418	428	442	453	454	453	452	446	432	422	421	420	420	420	415	412	424	0	12	05	459	6 40	400	59
31	✓			410	404	402	402	405	404	395	400	410	420	427	430	423	414	410	405	406	413	417	421	420	419	421	421	412	0	11	10	432	6 40	393	39
MEANS ALL DAYS				415	411	408	408	408	407	399	405	417	427	438	445	443	437	430	422	417	418	421	425	425	424	422	419	420							56
MEANS TEN DAYS *				416	413	412	411	411	410	402	408	420	430	439	444	442	433	426	418	412	415	419	424	425	424	422	420	421							51
MEANS FIVE DAYS † (G. M. T.)				418	415	413	412	412	412	406	412	422	431	441	446	441	430	421	412	407	413	421 419	424 423	424	423	423	421	421							
MEANS FIVE DAYS ‡ (G. M. T.)				414	408	401	401	400	398	390	401	415	427	435	445	444	441	435	428	422	420	428	432	431	428	424	419	420							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 282

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1943 — FEBRUARY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				418	415	412	410	410	410	408	416	424	431	433	445	441	434	434	432	431	422	420	421	421	420	419	418	423	0	11 08	450	3 46	407	43
2				416	414	412	411	404	400	385	388	399	408	411	408	414	420	411	404	407	414	418	420	422	414	418	418	410	0	20 04	424	6 52	383	41
3				415	409	405	404	403	402	398	410	426	438	447	448	439	428	421	413	409	411	422	425	425	424	423	418	419	0	11 02	452	6 12	397	55
4			✓	416	413	411	411	411	411	394	401	407	406	413	417	421	424	412	401	399	408	413	418	419	420	420	418	412	0	12 58	429	6 41	392	37
5				412	410	411	409	410	408	394	399	411	420	434	439	439	420	416	411	406	407	412	418	415	416	415	413	414	0	11 58	448	6 54	393	55
6				413	412	409	406	406	403	393	403	420	422	431	435	425	416	409	408	413	413	413	420	421	419	419	416	414	0	11 00	440	6 52	391	49
7	✓			412	411	411	408	409	406	403	409	422	432	441	448	448	441	434	416	406	410	413	419	421	420	419	414	420	0	11 42	451	6 29	401	50
8				412	409	408	408	408	408	398	398	404	426	441	446	448	447	439	424	418	418	418	422	421	417	414	411	419	0	12 51	451	6 52	395	56
9				408	405	403	402	402	403	396	399	420	442	459	465	458	455	447	439	422	413	412	415	415	415	413	411	422	0	11 06	468	6 38	392	76
10	✓	✓		410	408	407	405	407	405	398	392	397	402	411	425	434	432	431	427	418	414	415	420	421	421	421	412	414	0	12 33	448	7 20	389	59
11				410	408	408	409	409	412	402	402	408	413	419	429	433	432	429	419	409	404	411	414	417	418	418	416	415	0	12 56	436	6 38	400	36
12	✓	✓		414	413	412	410	410	406	394	387	398	416	431	432	435	436	432	429	421	414	412	415	421	422	413	413	416	0	13 18	439	7 38	384	55
13			✓	406	403	399	398	398	399	393	386	396	403	412	421	424	425	429	425	419	409	410	414	414	414	413	414	409	1	14 05	437	7 08	381	56
14	✓			409	406	404	404	404	399	392	400	408	421	432	437	438	433	424	413	412	411	414	415	414	413	412	410	414	0	12 17	441	6 18	391	50
15	✓	✓		408	404	403	404	403	401	394	401	421	434	448	451	439	429	427	422	414	409	411	411	413	412	412	411	416	0	11 00	453	6 44	392	61
16	✓			411	409	407	406	404	403	396	399	420	439	453	451	441	432	421	413	408	406	408	412	410	410	404	405	415	0	10 33	458	6 55	393	65
17			✓	403	393	389	387	399	390	371	391	410	419	438	434	423	415	419	421	423	422	419	420	420	419	419	415	411	1	10 29	442	6 13	361	81
18				412	410	403	401	404	408	404	411	412	418	421	428	433	434	427	416	411	404	411	414	416	414	412	412	414	0	13 19	438	3 39	397	41
19				411	409	405	405	408	408	398	398	404	408	414	422	419	414	412	418	421	414	414	416	415	414	413	410	411	1	11 56	426	7 40	395	31
20	✓			407	406	405	405	404	404	402	402	410	418	421	427	428	422	422	421	418	411	412	413	412	411	408	408	412	0	11 41	432	7 08	401	31
21	✓	✓		407	405	404	405	409	411	404	408	415	429	438	434	429	420	409	393	392	400	406	411	411	411	410	408	411	0	10 31	441	16 24	390	51
22	✓			408	407	404	403	403	401	399	400	415	431	437	436	438	427	424	423	413	403	407	415	417	414	413	411	415	0	12 37	443	6 36	396	47
23				405	403	402	397	398	399	390	386	392	405	426	439	432	430	421	414	408	408	414	418	419	418	414	412	410	1	11 52	446	7 11	384	62
24				407	404	403	402	407	407	392	393	409	423	445	457	453	438	421	412	409	408	412	415	415	413	412	412	415	1	11 28	462	6 44	388	74
25			✓	412	411	408	407	405	402	392	392	409	428	443	445	439	432	423	411	412	414	412	414	421	412	420	416	416	1	11 21	449	6 54	388	61
26			✓	414	412	408	406	406	407	399	399	413	426	445	447	438	435	428	415	414	416	414	419	424	423	420	421	419	1	11 22	449	6 46	395	54
27				414	412	411	410	411	408	397	392	399	409	418	422	424	421	413	402	400	405	412	414	414	414	413	410	410	0	12 07	431	7 28	390	41
28	✓	✓		408	405	405	404	406	409	408	413	423	431	435	437	434	428	416	411	403	405	410	411	411	411	411	411	414	0	11 30	438	16 43	402	36
29																																		
30																																		
31																																		
MEANS ALL DAYS				411	408	406	405	406	405	396	399	410	421	432	437	435	429	423	416	412	410	413	416	417	416	415	413	415						52
MEANS TEN DAYS *				409	407	406	405	406	404	399	401	413	425	435	438	436	430	424	417	410	408	411	414	415	414	412	410	415						50
MEANS FIVE DAYS (G. M. T.) †				409	407	406	406	407	406	400	400	411	422	433	436	434	429	423	416	410	408	412 411	414 414	414	414	413	411	414						
MEANS FIVE DAYS (G. M. T.) ‡				410	406	403	402	404	402	390	394	407	416	430	433	429	426	422	415	413	414	414	416	418	416	414	413	413						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 283

DECLINATION

MARCH 1943 — MARCH 1943

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			409	405	403	403	404	404	394	398	404	416	420	426	426	423	420	414	412	411	412	414	414	415	417	412	412	0	11 08	433	6 34	391	42
2				412	405	405	407	409	410	402	400	413	419	424	434	428	422	412	399	392	391	403	413	415	417	416	416	411	0	11 38	437	17 18	389	48
3				413	412	407	408	412	412	403	401	413	433	441	446	443	434	428	422	413	412	414	411	411	412	412	412	418	0	11 50	448	7 01	397	51
4				413	411	414	405	403	406	394	406	429	441	446	443	433	422	417	404	395	399	404	408	409	411	407	414	414	1	10 20	450	6 50	390	60
5				413	410	402	403	404	404	396	397	414	427	437	439	436	421	414	405	394	399	407	411	414	414	414	412	412	0	10 47	446	6 50	390	56
6				412	411	407	407	408	405	398	403	412	424	433	428	417	410	403	393	397	401	405	410	412	412	411	411	410	0	10 04	436	15 52	390	46
7	✓			410	408	406	405	406	404	399	402	419	429	433	441	433	430	419	412	405	403	408	412	412	413	412	414	414	0	11 31	445	6 50	398	47
8				413	412	409	409	409	408	399	399	412	425	437	448	442	436	431	425	420	413	410	410	411	411	412	411	417	0	11 28	451	7 02	395	56
9				410	408	407	411	411	412	402	399	408	414	417	421	421	425	423	418	408	410	416	420	420	419	419	418	414	0	14 18	431	7 53	396	35
10	✓	✓		418	417	417	417	418	415	398	385	394	402	402	410	426	432	428	419	410	411	414	421	420	418	421	421	414	0	13 31	435	7 52	384	51
11				420	420	418	420	421	421	411	410	412	420	421	420	421	421	408	418	432	429	429	428	424	423	418	415	420	1	16 20	437	14 22	392	45
12				415	413	412	413	412	409	400	398	400	410	411	418	431	431	423	418	414	408	410	416	416	418	413	413	413	1	12 34	435	7 52	384	51
13	✓	✓		414	411	411	412	412	412	409	402	399	392	401	409	417	424	427	426	425	415	410	413	412	413	411	410	412	0	14 36	430	9 02	387	43
14				409	411	410	410	411	414	407	397	390	389	388	412	423	429	429	429	423	413	409	414	413	414	413	412	411	0	14 52	431	10 30	383	48
15	✓	✓		412	412	412	413	413	412	407	401	403	404	405	410	418	430	430	423	414	410	408	412	413	413	411	409	412	0	13 48	433	7 08	400	33
16			✓	408	401	397	406	401	401	399	411	410	424	433	436	451	457	450	437	428	415	421	418	418	416	414	413	419	1	13 10	461	6 01	389	72
17				412	410	409	411	412	407	395	396	403	406	406	411	420	433	443	438	425	418	413	412	413	412	411	410	414	0	14 18	448	6 41	392	56
18	✓			411	411	408	407	410	411	408	408	412	413	422	432	442	448	444	437	422	409	408	411	411	410	410	408	417	0	12 55	453	3 50	405	48
19				407	404	403	407	407	408	412	411	409	411	422	421	418	415	409	407	401	411	411	415	414	414	412	408	411	1	10 28	428	16 02	396	32
20			✓	408	404	406	400	402	408	418	433	442	440	444	448	450	450	434	423	418	411	413	416	419	418	416	412	422	1	11 47	458	3 29	392	66
21				408	401	401	404	406	407	400	400	417	432	436	432	432	430	430	420	414	411	411	414	413	416	414	411	415	0	10 18	441	7 14	395	46
22				410	406	404	403	401	400	403	411	418	422	420	407	416	428	420	421	424	425	422	427	429	423	419	420	416	1	17 04	436	6 08	398	38
23			✓	411	406	401	402	402	407	407	414	427	432	431	433	439	436	428	422	422	421	416	413	413	414	414	412	418	1	12 58	445	2 20	399	46
24				413	411	406	405	410	410	407	407	417	423	427	425	424	421	419	413	411	412	410	411	411	413	413	411	414	0	10 17	433	2 57	399	34
25	✓	✓		409	409	407	407	408	405	402	403	404	413	426	435	446	452	444	431	426	422	412	411	412	413	412	411	418	0	13 30	454	6 08	400	54
26	✓			408	404	406	407	409	410	408	405	407	411	420	430	441	442	434	420	408	402	406	406	408	408	409	411	413	0	13 26	445	17 31	401	44
27	✓			412	410	408	410	410	410	409	416	425	433	441	439	438	428	412	403	405	403	407	409	409	410	410	409	415	0	10 28	444	15 08	399	45
28	✓	✓		408	407	407	407	407	404	397	397	403	409	415	423	431	427	421	411	407	404	407	410	410	409	410	411	410	0	12 18	432	6 50	393	39
29			✓	411	409	410	411	412	412	414	407	399	402	410	406	413	416	422	421	417	411	408	404	408	408	412	421	411	2	13 52	430	8 11	396	34
30			✓	416	420	416	416	422	423	415	415	417	414	426	421	422	421	417	411	407	406	411	414	412	413	413	410	416	1	10 15	431	17 33	401	30
31				412	416	414	416	417	418	419	412	405	404	410	408	414	406	403	407	404	400	403	410	411	409	407	408	410	1	6 26	423	17 58	393	30
MEANS ALL DAYS				412	410	408	408	409	409	404	405	411	417	423	426	429	429	424	418	413	410	411	413	414	414	413	412	414						46
MEANS TEN DAYS ✻				411	409	408	409	410	409	403	402	407	412	418	426	432	434	428	420	413	409	409	412	412	412	412	412	414						45
MEANS FIVE DAYS † (G. M. T.)				412	411	411	411	412	410	403	398	401	404	410	417	428	433	430	422	416	412	410 410	414 413	414	415	414	413	413						
MEANS FIVE DAYS ‡ (G. M. T.)				411	408	406	407	408	410	411	416	419	422	429	429	435	436	430	423	418	413	414	414	415	413	413	414	417						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 284

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1943 — APRIL 1943

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				408	413	417	419	420	418	420	414	417	420	420	421	425	428	422	414	410	407	407	408	409	410	410	408	415	0	13	46 429	0	40 403	26
2				408	407	408	411	417	421	427	426	426	420	412	409	413	409	402	394	394	398	403	403	394	406	408	403	409	0	6	35 430	20	24 389	41
3			✓	408	410	403	410	416	421	414	420	417	414	413	414	413	407	401	401	406	407	406	411	412	412	413	412	411	1	5	23 424	2	14 398	26
4				412	412	413	411	411	413	413	410	408	402	402	391	390	388	392	400	400	405	409	408	411	412	410	414	406	1	5	53 418	13	23 387	31
5				415	413	411	409	411	411	407	407	408	412	417	425	404	408	407	416	424	424	423	420	421	420	415	413	414	1	11	37 443	13	06 399	44
6			✓	412	411	410	409	403	408	404	415	423	435	432	431	426	427	421	417	414	417	413	414	415	414	412	411	416	0	10	24 445	6	56 398	47
7				410	409	408	408	408	410	408	410	417	431	434	437	441	437	421	411	417	412	410	410	410	411	411	411	416	0	13	01 447	7	33 404	43
8	✓			410	409	408	407	408	405	403	408	418	430	437	444	450	443	430	421	413	409	408	408	408	408	409	410	417	0	12	33 453	6	40 400	53
9	✓	✓		410	409	409	410	410	410	407	408	412	418	424	432	438	438	430	416	403	400	402	403	407	408	409	402	413	0	12	50 440	23	50 398	42
10			✓	405	406	411	420	429	422	406	400	400	410	420	429	439	449	440	428	420	417	413	418	422	418	413	413	419	0	13	30 451	7	59 392	59
11			✓	408	410	411	418	419	411	413	412	415	418	414	416	419	422	423	416	415	415	417	414	414	413	412	411	415	1	14	00 427	1	20 402	25
12	✓			411	409	409	410	410	410	407	402	405	406	409	413	418	421	423	424	420	417	411	411	410	412	411	410	412	0	15	00 427	7	30 400	27
13	✓	✓		408	406	405	407	408	412	418	420	420	415	417	419	420	421	412	410	410	409	410	408	408	407	407	407	412	0	13	20 423	2	50 403	20
14	✓	✓		406	405	405	408	409	412	417	414	410	404	407	410	411	417	415	407	405	407	407	407	408	408	408	408	409	0	14	04 421	9	37 402	19
15				408	408	408	412	413	417	421	417	413	414	417	429	426	423	408	399	398	401	406	409	409	410	409	407	412	1	11	12 437	16	08 393	44
16				403	396	400	407	408	413	417	423	426	430	434	436	432	429	423	417	408	407	409	409	410	411	411	410	415	0	10	11 440	2	02 393	47
17				409	403	403	407	411	410	404	402	398	402	409	418	418	414	411	414	417	411	408	410	408	409	410	407	409	0	11	54 422	8	06 394	28
18	✓			408	408	410	412	413	413	417	411	405	405	409	413	413	410	413	414	408	403	406	407	407	408	407	407	409	0	6	12 418	17	30 401	17
19	✓			408	407	408	409	410	412	420	426	428	420	417	412	405	414	421	421	411	407	408	405	404	405	407	405	412	0	8	10 432	12	27 402	30
20				403	403	406	410	409	414	423	423	423	420	423	422	421	420	419	419	410	407	408	414	417	417	411	412	415	0	10	30 430	1	01 401	29
21				410	402	406	409	411	415	424	433	438	423	412	424	427	427	426	424	420	412	411	407	407	408	407	407	416	1	8	07 449	1	41 397	52
22				403	402	404	401	407	412	414	417	419	423	423	421	419	419	421	420	413	411	408	407	406	406	407	406	412	0	10	00 425	3	50 397	28
23	✓	✓		406	406	407	410	412	413	413	410	412	413	420	423	428	427	426	418	408	405	403	403	403	403	403	403	411	0	13	20 431	18	50 402	29
24	✓	✓		404	405	407	409	413	413	413	410	405	407	412	422	430	433	430	421	408	403	401	400	402	403	403	403	411	0	13	36 436	19	20 399	37
25				402	406	409	414	417	414	413	416	416	421	424	433	438	427	417	408	406	406	404	401	400	397	398	408	412	0	11	45 440	21	58 391	49
26			✓	413	405	413	421	429	430	432	433	430	432	431	437	433	430	425	418	414	411	405	407	405	408	411	411	420	1	11	28 442	1	46 394	48
27	✓			412	413	413	413	416	418	418	411	404	405	405	417	427	427	430	433	427	417	408	406	406	406	407	408	414	0	15	17 435	10	20 400	35
28				407	408	408	411	413	414	411	403	400	401	401	404	410	408	409	408	404	400	404	404	403	402	407	407	406	0	5	10 416	8	55 397	19
29				406	404	400	410	423	430	421	421	413	408	411	412	410	414	414	404	400	400	401	401	407	408	404	404	409	0	5	40 432	2	20 398	34
30				408	411	410	416	424	430	431	431	412	400	393	393	398	401	396	397	397	393	398	400	403	402	397	394	406	1	6	44 437	17	46 389	48
31																																		
MEANS ALL DAYS				408	407	408	411	414	415	415	415	415	415	417	420	421	421	418	414	410	408	408	408	408	409	408	408	412						36
MEANS TEN DAYS ✲				408	408	408	410	411	412	413	412	412	412	416	420	424	425	423	418	411	408	406	406	406	407	407	406	412						31
MEANS FIVE DAYS † (G. M. T.)				407	406	407	409	410	412	414	412	412	411	416	421	425	427	423	414	407	405	408 405	407 404	407	407	407	407	412						
MEANS FIVE DAYS ‡ (G. M. T.)				409	408	410	416	419	418	414	416	417	422	422	425	426	427	422	416	414	413	411	409	409	410	409	408	415						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 285

DECLINATION

MAY 1943

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MAXIMUM	MINIMUM (H M)	MINIMUM	RANGE
1			✓	395	390	402	413	422	432	435	433	438	418	406	400	399	387	389	402	404	404	407	404	407	411	410	409	409	1	6 42	442	14 27	382	60
2				408	409	409	416	420	423	431	425	416	409	408	411	407	409	412	419	417	410	406	404	406	408	409	408	412	0	6 54	435	19 58	402	33
3				408	408	410	412	414	419	426	430	425	416	415	410	401	401	408	407	403	402	401	406	406	408	407	408	410	0	7 10	432	13 29	399	33
4				403	407	410	407	407	412	422	427	425	422	421	425	422	417	406	410	409	406	403	401	404	404	403	403	412	0	11 44	430	19 27	400	30
5				403	403	403	406	409	410	406	400	403	407	411	417	425	416	413	412	405	401	406	408	407	405	405	403	408	0	12 04	430	7 11	395	35
6	✓			404	405	406	410	410	411	417	414	411	409	406	405	404	406	411	413	411	408	402	402	403	402	401	402	407	0	6 14	422	12 15	400	22
7	✓	✓		404	403	406	407	408	411	418	423	424	423	424	430	433	433	426	412	400	399	399	399	400	402	402	402	412	0	12 58	437	18 37	398	39
8	✓	✓		402	403	405	406	407	409	416	417	411	410	411	415	415	413	415	409	400	397	397	399	400	400	402	403	407	0	7 03	420	17 30	396	24
9	✓	✓		404	405	406	408	407	409	405	402	398	396	401	408	415	416	423	419	400	395	396	396	398	400	402	402	405	0	14 50	429	17 21	393	36
10	✓			404	406	404	408	410	411	413	414	399	393	393	395	395	398	411	412	402	396	396	395	397	400	401	403	402	0	6 57	420	12 47	391	29
11	✓			406	406	406	408	410	410	408	404	393	383	388	396	393	401	408	403	395	397	397	400	404	401	404	399	401	0	4 30	411	9 30	381	30
12				403	403	401	407	411	418	424	425	418	411	411	415	412	415	414	408	401	395	395	400	401	400	401	399	408	0	6 42	429	18 00	394	35
13				400	399	400	401	404	407	397	397	400	397	400	400	403	409	420	418	408	402	399	398	401	404	402	402	403	0	14 50	422	9 52	385	37
14				403	404	404	404	405	410	412	412	411	403	403	401	399	400	401	403	403	403	404	407	398	401	401	400	404	0	6 48	418	12 52	397	21
15			✓	402	393	397	397	406	410	412	409	413	410	411	410	412	417	420	416	409	401	401	400	400	401	402	403	406	1	14 32	422	1 11	390	32
16				402	403	405	406	411	410	411	404	400	398	401	403	410	418	414	410	408	406	403	400	405	400	400	401	405	0	13 57	423	9 56	396	27
17				403	395	401	400	407	414	423	432	428	420	413	407	411	418	421	410	396	400	404	397	397	402	399	393	408	0	7 49	436	24 00	383	53
18			✓	382	394	402	408	411	414	423	423	423	412	403	397	399	401	401	401	403	400	403	402	406	406	403	404	405	1	7 51	432	0 20	380	52
19				405	399	396	400	410	417	423	423	420	406	400	394	405	409	412	410	402	401	401	403	403	404	404	404	406	0	7 04	429	11 02	391	38
20	✓			404	405	404	406	407	410	413	418	419	419	417	414	418	413	411	411	407	405	404	406	407	407	406	405	410	0	8 21	421	18 40	402	19
21	✓	✓		404	403	403	404	406	407	410	421	427	435	441	446	453	453	443	420	402	397	397	395	397	400	401	403	415	0	12 44	455	19 45	394	61
22	✓	✓		403	404	405	408	410	410	413	419	410	404	403	403	407	407	407	408	401	398	396	396	397	400	400	400	405	0	7 10	421	19 26	394	27
23				403	406	407	410	411	413	402	399	406	401	403	407	408	407	407	400	390	387	391	396	398	398	403	409	403	0	5 40	414	17 23	382	32
24			✓	410	411	413	413	417	414	414	419	422	420	420	417	423	425	417	404	399	398	400	403	405	403	408	408	412	0	12 45	436	17 19	395	41
25				404	412	408	406	415	419	427	420	409	391	397	403	407	404	401	393	397	402	403	403	403	410	411	411	406	0	6 42	431	9 13	388	43
26				412	413	413	416	418	417	420	423	427	423	423	427	422	420	410	403	392	391	392	392	400	406	408	410	412	0	8 40	430	17 18	389	41
27				411	410	411	414	414	413	417	423	421	420	423	418	413	408	406	398	385	390	393	392	394	394	407	407	408	0	10 48	429	16 57	378	51
28			✓	403	401	408	404	407	407	406	416	420	421	417	417	416	411	404	402	395	388	390	393	398	399	400	397	405	1	8 47	428	17 20	386	42
29				400	401	404	406	408	412	419	418	412	408	409	409	404	404	404	403	397	394	397	396	397	396	399	400	404	0	6 48	422	16 58	392	30
30				401	403	399	401	406	410	414	414	407	392	397	402	408	406	401	403	403	393	395	397	400	400	400	401	402	0	7 16	422	9 42	390	32
31	✓			401	401	402	404	408	410	412	412	406	400	391	389	394	395	398	398	391	391	392	399	398	398	399	399	400	0	6 53	416	11 30	387	29
MEANS ALL DAYS				403	403	405	407	410	413	416	417	414	409	409	409	411	411	411	408	401	399	399	400	401	402	403	403	407						36
MEANS TEN DAYS *				404	404	405	407	408	410	412	414	410	407	408	410	413	414	415	410	401	398	398	399	400	401	402	402	406						32
MEANS FIVE DAYS † (G. M. T.)				403	404	405	407	408	409	412	416	414	414	416	420	425	424	423	414	401	397	400 397	400 397	401	402	402	403	409						
MEANS FIVE DAYS ‡ (G. M. T.)				398	398	404	407	413	415	418	420	423	416	411	408	410	408	406	405	402	398	400	398	398	399	401	401	407						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 286

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1943 — JUNE 1943

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				399	401	403	401	402	405	410	411	400	392	392	393	399	400	399	399	393	393	393	396	398	398	398	400	399	0	7 00	413	16 46	389	24
2				400	401	404	404	402	403	407	411	407	400	397	397	399	400	401	398	392	392	395	397	398	400	400	400	400	0	7 03	414	17 20	390	24
3	✓			401	400	399	400	402	404	410	416	414	406	394	400	403	404	403	403	398	397	397	395	398	398	398	400	402	0	7 57	420	10 53	391	29
4	✓	✓		399	400	398	401	402	404	413	418	418	411	409	420	420	404	401	397	389	391	393	395	397	397	398	398	403	0	11 44	427	16 30	387	40
5	✓			399	400	401	402	403	407	414	421	419	410	398	395	397	393	388	380	377	381	384	389	393	398	401	402	398	0	7 17	423	16 30	376	47
6				402	404	408	408	409	409	416	425	423	416	404	399	409	414	404	396	391	391	391	392	396	398	399	399	404	0	7 44	432	16 54	390	42
7				398	399	399	401	403	408	416	412	413	412	410	406	411	411	403	391	385	387	391	392	397	398	397	396	402	0	6 34	422	16 55	382	40
8			✓	394	391	393	398	394	392	399	414	432	429	414	412	408	408	408	398	397	392	393	399	399	398	397	388	402	1	8 53	444	23 47	383	61
9			✓	395	400	401	399	394	397	403	427	432	423	417	407	409	412	410	398	389	390	392	393	395	397	397	394	403	1	8 35	437	17 14	386	51
10				398	401	396	397	399	400	403	418	420	421	423	422	425	423	418	412	405	391	396	394	395	396	397	398	406	0	12 43	428	17 40	387	41
11				399	400	400	400	401	401	401	392	392	396	398	407	420	418	416	407	400	397	393	394	394	398	399	399	401	0	12 14	425	7 09	385	40
12				397	393	388	392	394	392	399	411	417	411	410	418	422	418	413	409	402	396	396	399	404	398	402	401	403	0	13 02	428	2 17	383	45
13				400	401	401	403	407	409	410	410	403	400	395	399	401	406	403	405	394	393	397	398	396	398	398	396	401	0	7 40	418	16 52	388	30
14				392	388	395	401	400	403	407	419	419	413	408	406	401	400	396	394	396	396	396	394	395	397	398	396	400	0	7 16	423	1 30	383	40
15	✓			398	398	398	399	402	406	414	421	418	410	405	401	408	408	401	400	396	396	396	394	397	398	398	397	402	0	6 52	423	19 40	392	31
16	✓	✓		397	398	398	400	402	403	409	419	418	413	413	417	421	424	418	410	400	398	394	393	393	394	397	398	405	0	12 53	429	19 20	391	38
17	✓	✓		397	397	397	400	402	405	419	423	419	411	400	397	400	396	392	393	396	393	391	392	393	393	393	395	400	0	7 02	428	18 10	390	38
18	✓	✓		397	397	398	399	401	407	421	422	412	398	389	388	385	389	392	390	387	383	389	391	391	393	393	395	396	0	6 50	428	17 20	381	47
19				399	401	403	407	411	417	425	428	413	403	397	400	393	397	388	380	377	381	390	397	402	403	397	401	400	0	7 26	436	16 48	373	63
20				400	402	411	413	413	417	413	430	427	418	408	408	408	398	390	388	384	391	390	388	391	391	397	401	403	1	7 23	437	16 57	380	57
21				401	402	404	405	411	411	417	422	432	429	426	420	421	406	398	397	388	383	387	389	391	396	397	394	405	1	8 44	437	17 36	381	56
22				396	393	390	399	403	410	414	420	412	402	397	396	400	396	393	399	400	389	390	394	393	395	395	398	399	0	7 10	424	18 10	387	37
23			✓	400	400	403	408	407	404	410	421	409	402	402	400	401	397	393	393	396	388	384	387	391	393	397	397	399	1	7 58	428	18 23	380	48
24			✓	397	401	398	403	403	410	422	423	419	416	416	418	411	404	392	384	382	383	389	389	392	395	398	399	402	0	6 57	433	17 23	380	53
25				400	400	400	402	406	408	407	408	403	409	413	411	412	413	408	394	388	390	390	393	394	398	399	400	402	0	11 03	417	16 43	383	34
26	✓			399	399	401	401	403	406	411	412	409	399	397	393	396	398	403	398	391	390	393	391	396	397	397	399	399	0	7 23	419	17 38	387	32
27				400	397	397	400	403	408	413	415	412	403	391	388	397	408	408	391	379	378	388	389	390	393	394	393	397	0	6 42	419	17 26	375	44
28			✓	393	398	392	390	394	403	403	412	411	406	405	411	414	411	396	391	390	395	397	397	399	398	396	391	400	1	13 00	420	3 06	387	33
29	✓			393	393	395	400	404	403	408	420	420	421	415	411	411	413	413	401	393	388	388	390	391	393	393	395	402	0	7 58	424	17 30	385	39
30	✓	✓		397	397	400	4[illegible]3	405	406	407	410	408	401	397	389	391	393	399	399	391	388	390	391	392	395	397	397	398	0	7 20	413	17 20	386	27
31																																		
MEANS ALL DAYS				398	398	399	401	403	405	411	417	415	409	405	404	406	405	402	396	392	390	392	393	395	396	397	397	401						41
MEANS TEN DAYS *				398	398	398	400	403	405	413	418	416	408	402	401	403	402	401	397	392	390	392	392	394	396	396	398	401						37
MEANS FIVE DAYS † (G. M. T.)				397	398	398	401	402	405	414	418	415	407	402	402	403	401	400	398	393	391	393 / 391	393 / 392	394	395	396	397	400						
MEANS FIVE DAYS ‡ (G. M. T.)				396	398	397	400	398	401	407	419	421	415	411	410	409	406	400	393	391	390	391	392	394	395	396	394	401						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 287

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1943 — JULY 1943

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		396	394	397	399	401	406	412	422	419	411	409	403	406	403	406	401	399	393	390	390	391	392	392	392	401	0	7 45	425	18 40	388	37
2	✓			393	396	397	401	408	411	417	419	413	400	392	392	390	384	390	397	392	382	381	384	387	388	391	392	396	0	7 00	421	17 47	379	42
3				397	397	398	400	408	413	420	434	432	424	421	417	403	396	393	388	383	384	390	393	397	398	399	399	404	0	7 51	440	17 10	381	59
4			✓	400	401	401	406	410	403	419	407	413	412	411	406	392	389	383	387	397	395	396	397	401	396	396	398	401	1	6 42	429	14 49	378	51
5			✓	391	387	390	386	390	400	409	422	430	420	416	401	387	378	377	383	383	380	383	392	394	397	392	401	395	1	8 04	436	13 46	370	66
6			✓	391	388	400	400	393	386	382	404	415	417	423	420	409	407	400	392	390	391	388	395	394	396	399	400	399	1	10 06	430	6 14	375	55
7				395	392	395	396	393	393	398	415	422	425	424	419	413	408	395	380	379	382	388	392	392	394	396	397	399	0	10 40	431	16 01	372	59
8			✓	393	392	384	387	392	393	397	407	410	411	412	413	413	413	407	395	392	388	389	392	393	393	395	397	398	1	8 55	421	2 50	375	46
9			✓	393	389	371	376	386	390	395	403	412	417	411	409	413	407	403	393	388	390	390	390	393	395	389	394	396	1	9 30	424	2 54	361	63
10				396	397	391	392	391	393	392	398	403	401	402	409	403	400	393	390	388	388	388	389	393	394	396	397	395	0	11 30	412	18 20	385	27
11				394	387	381	381	390	398	410	426	423	411	404	408	423	421	409	396	390	393	389	391	395	395	393	395	400	0	7 37	436	2 50	375	61
12				394	393	397	392	392	395	403	412	417	417	412	408	403	400	397	391	392	391	390	395	392	395	396	393	399	0	8 13	420	18 20	388	32
13				392	391	393	396	396	402	413	422	420	410	402	402	408	408	391	383	384	387	387	388	392	393	393	393	398	0	7 20	425	16 07	381	44
14	✓	✓		393	393	394	397	400	400	404	403	393	386	388	398	408	417	420	411	403	397	391	390	392	393	393	392	398	0	14 07	424	9 57	383	41
15				391	391	391	394	393	399	409	409	410	410	403	399	398	398	397	389	385	395	394	394	396	397	396	393	397	0	6 47	413	16 30	383	30
16				392	391	391	392	391	398	411	424	427	419	402	406	397	387	388	390	390	398	397	393	393	394	394	393	398	0	8 06	431	13 30	384	47
17				393	393	394	398	401	407	414	421	418	410	412	409	403	390	378	382	383	390	393	391	391	394	394	392	398	0	7 30	424	14 30	373	51
18				390	392	398	405	404	409	419	425	420	403	401	392	392	382	372	371	382	384	377	386	390	391	387	395	394	1	7 42	439	15 34	368	71
19				397	396	390	395	400	404	413	427	430	423	418	420	414	402	391	383	380	383	382	384	388	391	393	392	400	0	8 29	437	16 41	377	60
20				396	397	397	398	400	402	401	408	410	403	394	397	409	406	388	387	387	386	384	384	388	392	392	394	396	0	8 03	414	19 51	382	32
21				393	392	393	397	398	393	406	411	412	410	407	404	411	410	399	392	387	387	389	388	389	390	389	390	397	0	8 11	417	16 56	383	34
22				391	390	391	393	393	400	404	419	417	411	407	405	410	403	389	380	379	381	388	389	390	391	394	393	396	0	7 49	424	17 07	377	47
23	✓			393	391	392	393	396	400	409	413	411	407	406	402	408	405	393	389	385	383	387	386	389	391	392	393	396	0	7 19	416	17 36	381	35
24	✓	✓		391	392	391	393	398	402	408	410	408	407	416	417	412	401	391	389	386	387	389	388	388	388	391	391	397	0	11 12	421	17 10	382	39
25	✓	✓		390	391	393	396	399	402	407	411	410	405	406	412	418	395	383	383	388	383	383	383	384	388	389	390	395	0	12 18	421	17 40	381	40
26	✓			391	392	393	397	403	404	410	413	405	394	390	404	407	389	389	402	400	392	397	394	398	394	393	392	398	0	7 32	417	13 56	383	34
27	✓			391	391	394	395	400	401	410	404	393	386	383	403	422	402	386	393	394	390	388	387	388	389	390	390	395	0	12 24	425	9 57	378	47
28	✓			389	388	391	394	401	407	418	415	407	393	394	410	420	410	391	389	391	389	387	387	388	388	388	390	397	0	12 47	423	18 17	385	38
29	✓	✓		391	392	394	397	401	404	413	408	394	384	378	381	396	394	384	378	379	383	382	382	382	383	384	385	390	0	6 51	418	10 42	374	44
30				390	393	398	402	408	410	411	419	409	403	389	387	403	390	387	392	393	391	389	385	388	390	391	391	396	1	7 06	424	11 00	374	50
31				392	393	397	399	399	406	415	419	412	403	391	388	397	392	389	391	396	395	394	391	390	388	388	389	396	0	7 56	421	11 03	383	38
MEANS ALL DAYS				393	392	393	395	398	401	408	414	413	408	404	405	406	400	392	389	389	388	388	389	391	392	392	393	397						46
MEANS TEN DAYS ✲				392	392	394	396	401	404	411	412	405	397	396	402	409	400	393	393	392	388	388	387	389	389	390	391	396						40
MEANS FIVE DAYS † (G. M. T.)				392	392	394	396	400	403	409	411	405	399	399	402	408	402	397	392	391	389	388 387	388 387	390	391	392	393	397						
MEANS FIVE DAYS ‡ (G. M. T.)				394	391	389	391	394	394	400	409	416	415	415	410	403	399	394	390	390	389	389	393	395	396	396	398	398						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 288

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1943

AUGUST 1943

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			386	387	388	390	398	407	422	427	422	414	406	406	402	397	384	383	390	391	391	387	389	388	388	385	397	0	6 46	431	14 31	379	52
2				383	381	383	393	401	402	409	423	428	414	409	407	405	388	382	387	389	390	392	400	390	391	392	390	397	0	8 25	434	1 59	371	63
3				390	380	381	382	390	398	404	410	408	393	402	402	391	392	393	407	408	398	390	393	393	393	393	396	395	1	7 56	413	1 58	373	40
4				394	391	381	388	385	387	394	397	400	389	388	397	401	378	374	380	384	381	387	387	387	384	393	391	388	1	12 30	411	14 08	368	43
5				389	389	388	388	392	401	408	411	419	416	401	398	399	401	397	388	384	391	393	392	394	393	393	392	397	0	8 56	432	2 18	381	51
6	✓			390	389	386	380	385	389	396	407	411	411	414	418	425	414	403	393	391	391	391	389	391	391	392	392	397	0	12 42	431	3 19	371	60
7				392	388	389	394	394	400	398	416	420	426	425	423	411	404	397	392	390	389	391	389	389	389	391	387	399	0	9 28	435	23 49	381	54
8			✓	390	390	389	392	383	374	375	392	407	418	427	409	397	387	382	391	399	396	401	385	389	401	391	393	394	1	10 38	439	6 59	368	71
9				391	392	393	394	404	408	418	423	426	426	418	420	419	420	414	410	402	400	397	394	396	393	392	393	406	0	7 27	429	1 06	389	40
10	✓	✓		395	396	396	397	403	408	413	411	408	402	401	404	409	411	410	400	391	391	391	391	392	391	392	391	400	0	6 19	418	16 42	388	30
11	✓	✓		391	391	392	396	401	407	411	403	390	383	389	395	403	409	412	410	403	396	391	388	389	389	391	391	397	0	14 29	414	9 28	382	32
12	✓			390	391	393	399	404	408	417	413	405	403	404	396	387	388	380	383	386	381	381	386	387	388	388	385	393	0	6 25	421	13 40	374	47
13			✓	384	380	394	406	414	419	433	428	414	400	393	392	397	394	392	385	381	388	389	386	382	390	391	392	397	1	6 40	453	1 03	371	82
14				391	392	396	400	408	413	418	416	404	406	400	393	391	386	390	389	388	381	382	388	390	390	391	394	396	0	6 36	425	17 55	374	51
15				391	391	397	398	403	408	416	417	417	404	403	401	410	414	408	404	396	390	388	389	387	383	386	389	400	0	8 06	423	21 48	381	42
16				390	389	381	387	400	404	411	410	401	391	381	376	378	379	380	380	382	383	388	392	394	390	392	388	389	1	6 50	419	11 29	370	49
17				380	376	379	390	400	408	417	417	407	392	389	385	391	391	390	382	380	387	390	387	387	388	389	387	391	0	6 51	423	1 33	372	51
18				383	388	392	394	411	418	420	429	424	413	404	404	407	400	401	397	392	391	393	391	391	390	391	389	401	1	7 10	435	0 23	380	55
19				387	381	373	374	380	391	395	406	416	410	411	413	419	418	406	396	392	395	391	390	390	394	394	392	396	1	12 01	423	2 40	363	60
20			✓	389	381	387	393	398	408	411	414	420	414	410	410	406	394	396	396	389	387	388	384	387	390	391	390	397	1	8 57	427	1 51	373	54
21	✓			384	384	393	398	400	403	407	411	412	404	397	403	403	404	408	395	385	381	386	389	388	388	390	390	396	0	8 30	418	0 59	379	39
22	✓	✓		391	391	391	394	397	395	391	390	389	391	391	394	400	398	404	404	394	386	385	384	384	386	390	391	392	0	14 43	408	21 05	382	26
23	✓	✓		392	391	391	393	397	396	398	396	392	386	388	398	396	393	400	403	392	384	387	386	385	386	388	392	392	0	15 22	405	10 08	380	25
24				387	383	397	400	403	407	408	400	389	380	385	391	393	392	400	398	392	389	389	388	388	384	382	387	392	1	6 38	413	9 54	376	37
25				393	391	392	396	396	398	402	399	392	382	376	377	387	390	400	398	393	384	384	384	389	389	390	391	391	0	6 16	405	10 52	368	37
26	✓			388	383	385	388	398	407	412	412	413	409	401	403	409	399	388	390	390	392	391	390	389	390	390	388	396	0	6 49	419	2 53	380	39
27	✓	✓		390	390	391	391	393	398	403	400	392	387	381	383	391	396	392	393	393	391	389	388	390	390	388	386	391	0	6 39	410	10 17	379	31
28				380	384	388	390	395	402	412	403	388	381	372	375	380	388	388	388	387	389	391	392	392	392	387	387	389	1	6 36	424	10 12	345	79
29				384	383	383	388	399	408	418	417	411	407	401	390	378	383	383	393	398	394	391	389	389	389	368	377	393	1	6 34	423	22 15	361	62
30			✓	387	390	387	374	373	371	388	408	417	420	409	400	397	394	400	403	404	409	420	406	404	402	381	382	397	1	18 52	441	5 21	365	76
31			✓	388	387	399	423	416	400	417	443	433	420	400	392	382	387	391	392	392	392	395	394	387	390	392	393	400	2	7 05	454	12 01	373	81
MEANS ALL DAYS				388	387	389	393	397	401	408	411	409	403	399	399	399	396	395	394	392	390	391	390	390	390	389	389	395						50
MEANS TEN DAYS ✱				390	389	391	393	398	402	407	407	403	399	397	400	402	401	398	395	392	388	388	388	388	389	390	389	395						38
MEANS FIVE DAYS † (G. M. T.)				392	392	392	394	398	401	403	400	394	390	390	395	400	401	404	402	395	390	390 389	390 387	390	390	391	391	395						
MEANS FIVE DAYS ‡ (G. M. T.)				388	386	391	398	397	394	405	417	418	414	408	401	396	391	392	393	393	394	399	392	392	392	384	385	397						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

△̄ = NO RECORD

TABLE 289

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1943

SEPTEMBER 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				388	383	386	389	393	397	412	430	438	437	430	413	400	394	388	385	383	387	393	392	397	394	391	391	400	1	8	06	443	0 52	380	63
2				390	389	383	379	378	384	392	400	407	413	407	411	408	406	403	395	399	399	399	402	400	394	391	387	396	1	9	28	424	3 44	372	52
3			✓	378	378	380	379	379	380	383	394	399	396	404	402	403	404	396	397	390	381	388	391	391	392	392	390	390	1	12	37	414	0 53	371	43
4				387	378	384	381	386	388	390	396	403	405	397	393	391	388	384	387	392	391	389	390	391	389	387	387	390	1	8	40	410	1 20	370	40
5				387	388	387	388	388	392	391	390	392	393	390	392	391	387	381	383	383	388	391	392	390	391	392	391	389	0	8	02	400	14 30	379	21
6	✓			389	387	387	389	393	393	398	400	401	399	395	396	397	396	395	391	388	387	387	388	388	388	388	388	392	0	8	30	406	1 50	384	22
7	✓	✓		387	385	385	388	391	392	392	391	393	392	388	387	397	400	386	378	381	382	384	383	383	384	387	388	388	0	13	10	405	15 27	374	31
8				388	388	390	393	401	402	408	401	392	391	383	381	397	398	395	392	391	383	381	383	383	387	389	381	391	1	6	22	419	11 20	373	46
9				380	385	392	398	400	403	407	408	406	398	390	388	388	392	393	397	395	391	384	387	380	381	385	391	392	1	6	33	416	0 04	373	43
10				389	388	390	393	394	401	406	408	403	398	391	384	389	390	389	388	383	381	382	383	381	379	379	379	390	0	6	06	413	23 24	374	39
11				383	390	392	392	400	403	410	412	412	402	399	392	387	387	388	392	392	388	383	384	383	382	385	388	393	1	7	37	419	21 29	380	39
12				387	390	390	393	400	402	404	403	400	398	398	399	403	408	403	401	400	397	390	384	383	380	370	382	394	0	13	34	413	22 22	364	49
13				383	381	388	392	394	397	401	400	396	390	380	382	390	392	393	389	391	393	390	388	387	386	382	380	389	1	7	22	406	11 03	374	32
14				387	388	389	392	390	395	403	412	414	411	416	418	415	411	401	393	384	382	381	383	389	389	383	382	396	0	12	22	425	0 00	377	48
15	✓			387	386	387	390	392	395	400	403	404	401	397	396	400	407	403	398	387	384	383	383	384	384	384	388	393	0	7	48	410	19 25	381	29
16	✓	✓		388	388	389	390	391	393	397	396	390	387	379	389	398	396	390	384	384	383	386	386	384	384	382	381	388	0	12	32	401	10 57	373	28
17	✓			381	386	388	390	391	393	402	408	408	403	403	405	401	391	389	387	387	388	388	388	388	388	388	387	393	0	7	29	410	0 14	378	32
18	✓	✓		383	383	384	389	392	397	401	403	402	392	388	392	397	393	388	388	385	387	390	390	387	384	383	383	390	0	7	40	407	16 50	382	25
19	✓			383	381	385	387	391	391	392	393	383	378	378	381	391	400	396	391	388	388	386	386	388	387	388	387	387	0	13	49	404	10 32	375	29
20	✓	✓		381	382	386	387	390	393	396	390	383	375	373	384	396	402	402	397	384	380	381	381	379	379	383	383	386	0	14	20	405	9 51	364	41
21				384	384	383	388	392	397	391	387	378	371	378	398	407	402	396	394	390	388	387	387	384	383	381	376	388	1	12	43	413	9 34	361	52
22				380	386	384	387	391	393	391	389	383	374	367	378	397	410	407	401	392	386	387	387	383	383	382	382	388	1	13	54	413	10 30	360	53
23	✓			383	379	384	387	391	397	400	392	389	382	380	383	394	402	403	400	393	387	385	388	384	383	385	385	389	0	14	00	407	1 22	375	32
24	✓	✓		383	382	383	384	388	389	384	381	379	372	377	398	396	390	390	389	388	387	387	388	388	384	384	384	386	0	11	42	404	9 40	368	36
25				378	375	373	382	385	384	383	387	390	381	391	406	408	411	411	407	396	388	387	383	383	383	382	377	389	0	14	23	414	2 04	370	44
26			✓	374	372	373	380	381	383	381	381	387	384	375	388	407	413	417	411	402	392	390	389	383	382	380	380	388	1	14	00	423	10 23	360	63
27				381	380	382	381	384	377	375	378	382	383	393	401	408	407	403	400	400	393	391	390	385	385	385	378	388	1	12	25	421	23 55	368	53
28			✓	372	371	377	377	373	375	377	378	389	390	406	417	421	413	405	398	397	389	391	393	393	393	392	387	391	1	12	25	426	0 04	363	63
29			✓	383	380	375	372	386	391	374	378	393	407	407	411	411	408	397	386	396	397	391	394	393	390	385	377	391	1	9	40	420	6 34	370	50
30			✓	381	376	380	382	383	373	362	368	371	374	388	392	392	392	391	391	396	398	392	391	384	387	388	380	384	1	12	32	402	6 45	356	46
31																																		
MEANS ALL DAYS				384	383	385	387	390	392	393	395	396	393	392	395	399	400	396	393	391	388	387	388	387	386	385	384	390							41
MEANS TEN DAYS *				384	384	386	388	391	393	396	396	393	388	386	391	397	398	394	390	386	385	386	386	385	384	385	385	389							30
MEANS FIVE DAYS (G. M. T.) †				384	384	385	388	390	393	394	392	389	384	381	390	397	396	391	387	384	384	386 386	387 386	386	386	387	387	388							
MEANS FIVE DAYS (G. M. T.) ‡				378	375	377	378	380	380	375	380	388	390	396	402	407	406	401	397	396	391	390	392	391	389	387	381	389							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 290

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1943

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	382	380	380	380	380	378	383	390	396	394	393	385	385	377	381	382	384	388	392	392	393	390	390	390	386	1	8 08	400	13 27	373	27
2			✓	389	382	384	388	384	383	384	387	384	384	391	409	407	404	394	397	391	388	393	390	391	391	390	383	390	1	13 32	416	1 22	378	38
3			✓	378	379	374	373	382	383	375	387	393	394	398	403	400	393	394	392	393	394	396	392	390	388	387	387	389	1	12 00	412	3 39	367	45
4				382	379	382	382	382	381	384	383	389	397	402	407	408	402	398	392	383	379	381	385	384	380	382	383	388	0	12 25	412	1 10	376	36
5	✓			382	380	381	383	383	381	380	384	388	387	397	410	414	412	408	398	384	380	383	387	388	386	384	383	389	0	12 53	417	1 30	378	39
6	✓	✓		381	380	380	380	380	380	381	389	396	402	415	418	410	400	392	392	390	382	384	386	385	387	387	384	390	0	11 22	421	6 03	378	43
7				383	382	381	382	383	381	369	367	363	359	360	373	387	394	397	393	389	379	388	383	384	383	383	388	380	1	14 13	407	9 35	351	56
8				387	383	382	384	386	386	380	379	378	375	385	400	399	401	401	397	391	383	381	387	387	386	386	373	387	1	11 51	410	8 53	367	43
9			✓	375	378	373	372	386	388	383	389	390	384	385	399	394	386	388	383	379	377	384	387	388	384	383	381	384	1	11 38	407	3 04	360	47
10				384	380	382	386	384	383	375	379	379	372	383	393	408	404	401	391	381	378	384	383	388	387	387	384	386	1	12 36	413	9 44	368	45
11	✓			383	382	380	383	388	383	380	380	380	381	389	400	403	400	394	388	381	378	378	381	380	383	383	383	385	0	12 03	408	18 23	377	31
12				380	380	380	382	385	378	370	374	377	379	389	403	400	397	397	393	382	378	382	386	388	384	382	383	385	0	11 22	412	6 20	367	45
13	✓			383	383	382	381	382	383	388	397	392	384	384	397	397	390	385	381	377	378	381	383	382	384	384	383	385	0	12 28	401	16 46	373	28
14	✓	✓		383	381	381	380	381	381	381	393	403	404	413	421	418	413	407	394	383	381	383	384	384	383	383	381	392	0	11 34	423	6 00	378	45
15	✓	✓		380	379	378	377	378	380	382	387	389	393	403	403	392	390	387	383	378	374	380	383	384	383	382	380	384	0	11 07	410	17 20	373	37
16	✓	✓		378	377	375	377	380	380	372	372	371	371	377	390	393	385	383	380	374	374	380	384	383	382	381	377	379	0	12 13	400	9 06	367	33
17				374	373	370	375	380	382	377	382	387	400	413	424	417	403	388	374	370	373	381	383	384	385	383	381	386	0	11 24	433	16 53	367	66
18	✓	✓		380	378	378	380	381	381	374	377	380	383	394	403	408	401	397	390	380	379	381	386	386	386	383	379	385	0	12 35	412	6 20	373	39
19	✓			378	379	376	377	379	380	375	378	377	381	400	420	422	419	408	395	380	377	381	386	387	384	383	381	388	0	12 21	427	8 28	371	56
20				375	375	376	377	377	374	363	360	354	367	376	387	400	392	387	377	371	373	381	382	383	381	383	383	377	1	12 33	406	8 53	349	57
21	✓			382	380	377	379	380	379	373	376	380	390	404	417	420	411	401	392	384	382	383	384	383	383	382	382	388	0	12 13	422	6 20	371	51
22				379	377	370	370	374	374	364	361	360	377	397	401	398	397	393	382	378	380	388	387	381	383	383	379	381	1	11 20	408	8 30	356	52
23				379	376	376	378	379	376	371	376	379	388	396	409	412	411	404	393	384	380	379	383	380	379	383	383	386	0	11 20	414	6 40	370	44
24				380	374	369	369	374	358	358	359	373	382	401	410	412	410	396	395	380	379	380	387	382	381	383	383	382	1	11 42	419	7 40	351	68
25				380	371	369	362	368	374	371	379	388	398	408	413	410	407	397	391	380	382	388	390	389	386	384	378	386	1	11 30	420	3 06	357	63
26			✓	371	357	360	353	360	362	365	376	394	403	399	401	402	406	409	401	388	390	391	392	393	388	383	378	384	1	11 25	414	3 30	351	63
27				375	367	359	366	373	374	367	373	380	387	392	400	401	397	394	384	385	388	392	391	390	383	382	375	382	0	12 50	409	3 03	356	53
28				366	373	372	380	381	379	379	386	395	409	421	418	418	413	408	400	390	386	388	390	388	384	382	376	391	0	12 10	428	0 11	362	66
29				377	377	376	373	376	380	379	391	404	425	435	445	444	429	411	396	390	388	390	390	388	384	381	383	396	0	11 42	451	4 00	369	82
30				382	377	380	382	379	373	361	368	383	392	403	404	405	399	397	391	385	382	382	386	387	386	381	377	385	1	10 46	412	6 47	356	56
31				368	378	381	378	379	371	353	353	358	373	382	395	395	401	399	396	386	386	385	388	385	385	382	380	381	1	13 19	409	7 04	347	62
MEANS ALL DAYS				379	377	376	377	379	378	374	378	383	388	396	405	406	401	397	390	383	381	385	386	386	384	384	381	386						49
MEANS TEN DAYS *				381	380	379	380	381	381	379	383	386	388	398	408	408	402	396	389	381	378	381	384	384	384	383	381	386						40
MEANS FIVE DAYS † (G. M. T.)				380	379	378	379	380	380	378	384	388	391	400	407	404	398	393	388	381	378	382 382	384 385	384	384	383	382	386						
MEANS FIVE DAYS ‡ (G. M. T.)				379	375	374	373	378	379	378	386	391	392	393	399	398	393	393	391	387	387	391	390	389	388	388	381	386						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

TABLE 291

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1943

NOVEMBER 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				377	377	374	373	373	372	372	374	391	388	388	392	386	387	385	385	378	381	383	384	382	383	383	383	381	0	8 28	399	6 44	368	31
2	✓			380	377	376	377	378	381	378	381	390	400	406	409	411	405	398	401	391	383	381	383	383	382	382	380	388	0	11 24	413	4 00	374	39
3	✓			380	376	375	377	380	383	382	384	390	394	401	403	404	401	394	391	388	382	383	387	387	387	384	382	387	0	12 27	408	2 10	373	35
4	✓			378	379	377	376	378	377	363	366	373	383	387	390	391	386	386	383	377	378	383	388	388	387	387	378	381	0	12 06	397	6 56	360	37
5				378	372	377	376	379	378	367	367	367	372	366	381	390	397	404	400	385	379	382	388	389	388	385	384	381	1	15 04	412	10 03	360	52
6				381	378	372	373	377	374	366	363	379	383	392	410	403	393	398	399	384	380	383	388	389	388	387	382	384	1	11 32	422	7 20	361	61
7				382	381	378	378	376	374	363	365	369	373	380	388	392	390	391	385	380	374	382	382	381	382	381	379	379	0	12 10	395	6 54	361	34
8				377	374	377	376	374	372	358	358	366	372	373	383	387	390	391	390	378	373	377	382	382	382	378	378	377	0	11 35	395	6 52	354	41
9				380	376	378	378	377	372	367	372	382	393	399	400	400	397	390	383	377	372	380	384	382	382	380	378	382	0	10 28	403	6 40	364	39
10				376	374	374	374	374	368	362	363	370	374	384	392	393	383	378	372	368	370	377	382	382	381	381	378	376	0	12 11	398	6 40	360	38
11	✓	✓		376	373	376	377	378	371	364	373	382	393	399	410	412	407	401	387	378	377	379	381	382	380	380	378	384	0	12 10	416	6 20	362	54
12	✓			375	373	371	373	373	368	357	363	371	377	384	388	396	393	390	386	377	373	379	382	381	380	379	378	378	0	13 04	401	6 42	355	46
13	✓	✓		376	375	374	374	376	373	371	380	391	398	400	405	401	394	394	388	378	377	381	388	386	383	381	381	384	0	11 58	410	6 28	369	41
14	✓	✓		377	376	374	373	375	368	356	357	364	369	377	389	398	392	390	381	371	373	376	382	382	383	381	377	377	0	12 20	400	7 10	353	47
15	✓	✓		374	371	368	367	366	361	350	354	363	375	387	397	397	393	388	387	380	379	378	381	374	383	377	368	376	0	12 04	401	6 40	348	53
16				367	367	366	367	368	363	351	350	358	367	366	373	380	388	398	400	390	383	382	384	384	381	380	378	375	0	15 20	406	7 47	346	60
17	✓	✓		373	372	372	372	373	373	370	371	380	382	383	388	387	388	390	380	377	380	380	384	383	381	379	374	379	0	14 08	393	6 40	368	25
18				371	366	366	367	367	370	363	367	370	376	384	384	391	383	388	384	386	386	384	387	384	387	380	370	378	0	12 50	394	6 50	361	33
19			✓	358	357	351	332	342	362	356	357	379	391	397	398	396	393	388	382	373	380	396	389	388	381	380	370	375	2	10 30	410	3 40	319	91
20			✓	363	351	347	349	361	364	357	363	379	393	403	410	411	413	416	411	396	390	388	394	389	384	383	377	383	1	14 20	423	2 57	339	84
21				366	360	354	359	367	359	352	361	363	368	379	388	398	400	400	397	388	383	388	384	388	387	384	372	377	1	13 40	409	5 50	346	63
22				366	368	365	366	372	368	366	377	390	393	396	403	401	394	394	398	391	384	388	387	388	382	377	372	383	1	10 50	411	2 50	360	51
23				370	361	361	364	366	366	356	363	368	370	371	373	375	388	387	387	392	392	391	396	394	393	382	376	377	1	20 00	400	6 43	351	49
24				370	364	361	357	360	363	369	379	387	398	388	393	393	403	397	391	381	381	391	388	387	381	379	371	380	1	12 54	410	3 04	353	57
25			✓	363	362	357	357	355	352	348	359	373	388	393	392	403	398	404	396	391	383	390	393	393	390	390	376	379	1	14 12	420	6 31	342	78
26			✓	369	362	360	363	369	366	361	367	380	387	377	392	407	399	394	391	388	384	393	398	391	389	382	377	381	1	12 22	417	3 07	355	62
27			✓	366	353	349	351	353	354	354	367	389	404	411	417	420	405	400	381	374	374	383	389	386	383	382	377	380	1	12 17	428	2 07	341	87
28				369	367	357	356	354	350	360	372	390	400	412	415	415	410	391	372	371	376	388	387	387	385	378	372	381	0	10 52	420	5 27	344	76
29				357	353	353	352	352	358	344	355	359	365	370	380	392	400	390	382	369	369	377	381	381	380	378	374	370	0	13 24	407	6 22	340	67
30	✓			371	367	368	369	368	363	358	367	380	374	387	376	387	390	394	388	376	374	379	381	381	381	380	378	377	0	14 47	400	6 05	355	45
31																																		
MEANS ALL DAYS				372	369	367	367	369	367	361	366	376	383	388	394	397	395	394	389	381	379	383	386	385	384	381	377	380						53
MEANS TEN DAYS *				376	374	373	374	374	372	365	370	378	384	391	396	398	395	392	387	379	378	380	384	383	383	381	377	381						42
MEANS FIVE DAYS † (G. M. T.)				375	373	373	373	374	369	362	367	376	383	389	398	399	395	393	385	377	377	379 379	384 383	383	382	380	378	380						
MEANS FIVE DAYS ‡ (G. M. T.)				364	357	353	350	356	360	355	363	380	393	396	402	407	402	400	392	384	382	390	391	389	386	382	373	379						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 292

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER, 1943 — DECEMBER 1943

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				376	374	374	373	373	372	368	370	378	381	380	387	387	394	394	388	378	372	379	383	384	384	383	379	380	0	14	04 398	6	50 366	32
2				374	372	372	372	377	373	358	362	371	379	386	381	382	380	384	379	381	381	385	388	387	386	386	381	378	0	11	26 402	6	34 354	48
3			✓	371	367	371	370	372	371	366	376	388	392	390	399	392	383	377	372	370	381	381	386	386	383	381	380	379	1	11	50 408	1	13 361	47
4				375	374	372	372	376	373	370	374	389	398	403	412	412	406	397	382	379	380	383	388	384	381	381	371	385	1	11	34 419	23	59 364	55
5				370	370	368	367	372	371	366	371	384	389	397	409	399	387	386	383	379	377	380	383	382	381	379	378	380	0	11	31 420	3	11 362	58
6	✓	✓		376	374	373	376	378	372	364	372	381	381	390	391	388	381	381	376	371	371	380	379	379	377	374	373	377	0	10	53 396	6	30 361	35
7	✓			372	370	368	370	372	370	361	363	366	373	384	393	394	391	383	375	366	368	373	380	380	379	374	373	375	0	11	40 397	6	30 357	40
8	✓			371	369	368	367	364	362	349	344	354	360	372	387	393	391	388	382	381	380	382	383	382	380	374	371	373	0	12	42 400	7	09 342	58
9				366	364	362	361	369	362	350	353	360	371	383	397	400	397	387	376	370	374	380	381	379	378	378	375	374	0	12	13 408	6	58 348	60
10	✓			370	368	368	368	368	365	361	368	371	388	393	401	402	400	395	391	383	378	375	381	382	379	378	378	380	0	12	07 406	6	26 359	47
11	✓	✓		374	373	371	368	369	367	358	364	371	377	382	389	393	389	381	373	374	374	379	380	379	378	377	372	376	0	12	36 397	6	40 354	43
12	✓	✓		369	366	365	366	369	363	352	359	369	373	383	398	391	379	364	363	369	373	379	381	381	378	374	373	372	0	11	40 403	6	40 350	53
13	✓	✓		373	369	364	363	368	366	364	382	395	397	404	411	411	406	400	381	371	369	371	378	378	378	375	372	381	0	11	49 415	6	05 358	57
14				369	367	364	364	366	363	360	378	390	399	390	383	381	378	378	389	390	380	383	387	384	382	381	380	379	0	10	07 410	6	14 356	54
15	✓			374	371	371	372	372	371	360	361	378	391	410	422	412	400	392	390	383	381	390	393	390	388	381	373	384	0	11	03 427	7	03 357	70
16			✓	369	362	359	353	344	351	344	346	370	385	397	402	403	400	391	373	377	381	386	390	383	387	380	371	375	1	11	22 411	4	17 339	72
17			✓	366	364	363	369	364	349	342	354	378	393	401	404	414	407	397	390	373	380	381	380	383	383	377	377	379	1	12	04 421	6	14 335	86
18				373	369	364	361	364	365	360	371	382	392	408	418	408	400	387	380	371	376	381	382	383	386	378	376	381	0	11	47 424	6	24 357	67
19			✓	371	368	361	358	362	364	361	374	393	398	400	404	414	410	394	393	381	376	383	388	383	382	381	375	382	1	13	01 426	2	42 352	74
20			✓	373	371	365	368	369	364	364	372	389	391	395	408	402	386	381	383	361	371	380	384	387	383	382	381	380	1	12	10 417	16	40 358	59
21				374	371	368	364	369	368	361	372	383	391	394	397	400	407	405	393	387	390	385	389	387	382	378	374	383	1	13	33 413	6	30 358	55
22				371	369	368	362	362	366	361	364	369	372	371	382	381	381	381	374	370	375	381	381	381	379	379	374	373	0	11	52 390	4	07 355	35
23				374	371	369	364	363	360	364	378	387	382	381	381	381	386	378	363	363	369	375	381	381	380	380	374	374	0	8	45 391	5	20 358	33
24				369	368	368	364	364	361	361	379	396	401	412	421	411	400	398	371	358	361	371	380	380	380	379	369	380	0	11	33 425	16	24 356	69
25				364	362	365	365	365	362	367	380	399	401	407	404	399	396	392	387	380	382	382	384	385	380	378	374	382	0	11	09 413	5	53 358	55
26				370	367	364	364	364	365	369	381	393	403	417	422	407	400	389	380	371	372	379	380	380	378	373	368	382	0	11	33 428	5	57 362	66
27				368	368	369	370	371	367	357	360	372	389	394	401	402	402	407	408	388	379	379	380	380	379	378	374	381	0	14	54 411	6	59 352	59
28	✓	✓		371	362	361	361	361	361	355	367	372	374	387	393	388	387	380	369	368	373	379	380	380	378	374	372	373	0	11	40 398	6	30 353	45
29				367	367	364	367	368	371	367	375	391	399	402	399	385	380	380	381	381	383	387	387	384	381	379	374	380	0	10	30 406	4	10 362	44
30	✓			371	365	363	364	365	365	364	375	382	393	402	407	400	390	381	372	368	372	378	379	380	378	378	377	378	0	11	54 410	6	17 361	49
31				374	371	369	362	360	364	368	380	391	392	400	397	392	390	384	375	381	388	388	394	390	383	380	374	381	0	10	20 402	4	10 354	48
MEANS ALL DAYS				371	368	367	366	367	365	360	369	380	387	394	400	398	393	387	380	375	376	380	384	383	381	378	375	379						54
MEANS TEN DAYS *				372	369	367	368	369	366	359	366	374	381	391	399	397	391	384	377	373	374	379	381	381	379	376	373	377						50
MEANS FIVE DAYS † (G. M. T.)				373	369	367	367	369	366	359	369	378	380	389	396	394	388	381	372	371	372	378 378	381 380	381	379	377	375	376						
MEANS FIVE DAYS ‡ (G. M. T.)				370	366	364	364	362	360	355	364	384	392	397	403	405	397	388	382	372	378	382	388	385	386	381	375	379						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 293

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1943

JANUARY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			422	421	421	424	428	432	436	441	458	477	490	524	537	517	473	430	410	385	384	397	402	402	401	404	438	0	12	21	545	17 57	375	170
2				405	405	405	413	411	416	414	398	406	431	469	472	469	453	444	443	429	429	411	408	409	409	408	411	424	0	10	41	481	8 14	394	87
3				417	422	425	419	425	430	417	407	417	434	419	470	492	501	466	453	442	420	405	413	410	407	410	410	430	1	13	11	515	18 23	390	125
4			✓	412	412	408	415	420	414	388	393	367	408	435	482	442	431	414	392	393	381	378	380	404	394	387	389	406	1	10	56	517	8 44	333	184
5				398	413	392	388	396	407	413	413	423	433	444	447	420	406	410	411	404	386	379	391	401	398	399	404	407	1	11	21	474	18 15	372	102
6				408	404	402	399	399	404	416	434	466	497	514	521	493	466	426	397	390	393	400	405	404	404	406	405	427	0	11	33	538	16 15	387	151
7	✓	✓		404	405	402	401	404	410	417	422	438	462	480	482	477	457	428	404	393	401	410	409	411	410	409	414	423	0	11	05	490	16 24	391	99
8	✓			414	414	416	416	419	427	438	440	450	477	490	473	467	442	430	404	394	399	405	399	399	401	404	401	426	0	10	42	509	16 45	390	119
9				398	394	395	402	409	408	405	410	442	472	483	491	461	448	433	420	410	405	404	407	408	406	406	405	422	0	11	42	496	2 01	389	107
10				405	412	408	412	419	419	416	416	449	482	526	550	557	539	471	417	388	382	395	405	408	410	406	404	437	0	12	32	572	16 58	375	197
11	✓	✓		407	412	417	419	420	419	407	409	432	466	487	495	519	499	465	425	408	408	416	421	423	420	417	414	434	0	12	45	525	6 52	400	125
12				412	401	416	411	408	415	410	415	432	468	487	497	489	473	455	433	409	400	406	410	410	407	403	404	428	0	11	32	507	1 28	394	113
13	✓	✓		408	409	409	416	422	423	420	415	422	437	447	456	471	465	456	452	435	423	424	426	425	424	420	417	430	0	12	58	476	0 01	405	71
14	✓	✓		417	417	415	419	426	430	432	431	443	467	483	483	478	462	444	436	430	430	429	427	425	424	421	421	437	0	12	00	489	2 27	413	76
15	✓	✓		419	418	420	428	432	437	436	433	455	484	503	493	484	474	451	435	426	425	427	432	432	432	428	429	443	0	10	37	527	1 46	417	110
16				427	428	428	427	428	430	428	425	438	461	447	454	442	435	412	417	419	417	410	401	408	428	439	441	429	0	9	53	468	19 05	398	70
17			✓	439	429	428	437	433	415	415	389	346	417	428	497	436	454	407	396	390	399	405	409	402	403	401	407	416	1	11	31	534	8 25	319	215
18				405	403	394	403	411	414	410	402	411	413	431	442	460	456	446	434	422	413	408	407	403	401	399	394	416	0	12	58	471	2 29	391	80
19				401	399	405	412	409	409	413	434	432	464	485	489	478	460	437	421	400	411	414	415	408	414	410	408	426	0	10	54	497	16 44	392	105
20			✓	400	417	410	399	403	411	423	435	456	477	470	490	459	403	357	304	287	327	358	355	360	379	372	372	397	1	11	23	533	16 29	272	261
21			✓	375	388	389	385	379	376	390	394	426	428	404	413	412	411	406	396	374	391	392	362	386	392	392	389	394	1	8	47	451	19 45	349	102
22			✓	389	392	392	401	386	400	409	418	455	465	507	521	503	455	420	397	363	366	379	386	397	391	389	389	415	1	11	30	550	16 47	353	197
23				391	390	386	387	386	388	393	412	446	482	514	505	470	432	378	363	363	380	389	390	385	393	388	389	408	0	10	37	529	16 29	357	172
24				392	390	390	388	391	393	407	434	467	503	540	547	535	483	430	378	384	394	401	398	401	401	400	399	427	0	11	32	558	15 37	365	193
25	✓			399	399	400	400	399	402	413	422	447	494	523	530	508	480	443	422	409	406	411	414	410	395	395	392	430	0	11	17	535	23 59	389	146
26				387	399	403	398	411	415	415	422	459	508	550	499	489	437	393	369	381	396	401	404	409	410	403	403	423	0	10	44	565	15 39	366	199
27				402	405	404	406	407	409	419	446	446	466	519	542	527	506	459	430	413	405	410	412	408	408	410	405	436	0	11	30	558	0 29	400	158
28				411	411	410	413	412	408	399	382	427	473	516	550	555	525	470	436	420	413	412	407	407	403	405	403	436	0	11	30	583	7 24	374	209
29	✓			402	409	411	411	410	409	399	402	428	475	510	529	543	517	493	447	428	419	415	417	402	397	405	407	437	0	12	55	551	7 09	391	160
30				408	410	413	411	413	413	409	396	401	426	454	478	498	498	490	464	442	421	415	415	413	410	413	411	430	0	12	38	502	7 34	389	113
31	✓			409	408	408	410	417	421	428	439	464	480	465	478	492	479	463	449	430	417	406	402	400	403	403	402	432	0	12	30	503	20 07	395	108
MEANS ALL DAYS				406	408	407	409	411	413	414	417	434	462	481	494	486	467	438	415	403	401	403	404	405	406	405	405	425							139
MEANS TEN DAYS *				410	411	412	414	418	421	423	425	444	472	488	494	498	479	455	430	416	411	413	414	413	411	410	410	433							118
MEANS FIVE DAYS † (G. M. T.)				411	412	413	417	421	424	422	422	438	463	480	482	486	471	449	430	418	417	411 421	415 423	414	414	411	410	432							
MEANS FIVE DAYS ‡ (G. M. T.)				403	408	405	407	404	403	405	406	410	439	449	481	450	431	401	377	361	373	382	389	394	404	405	404	408							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 294

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1943 — FEBRUARY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				401	400	405	417	418	419	426	431	442	452	441	461	461	452	457	449	440	419	411	418	416	412	414	415	428	0	11	08	483	1	20	399	84
2				414	417	418	421	425	429	442	455	462	455	446	417	398	399	418	437	440	438	427	415	399	406	408	406	425	0	10	01	474	12	10	389	85
3				393	399	410	411	421	424	430	445	460	447	448	431	393	384	394	402	412	410	402	401	402	389	383	382	411	0	10	24	471	13	52	375	96
4			✓	394	398	412	410	409	403	425	447	460	463	460	440	423	405	386	379	411	419	412	406	409	410	402	401	416	0	9	58	477	15	02	366	111
5				392	400	403	403	411	418	431	452	476	484	495	478	451	427	400	376	399	406	407	400	411	401	405	408	422	0	10	39	503	15	19	363	140
6				408	401	404	403	403	411	417	437	484	514	532	520	463	429	383	379	380	399	413	402	394	398	399	407	424	0	11	00	548	15	49	374	174
7	✓			401	402	409	413	413	416	415	426	461	504	533	532	508	468	429	389	381	400	409	408	407	405	408	413	431	0	10	43	541	16	11	377	164
8				413	415	418	416	413	410	411	437	470	528	566	577	573	533	460	410	395	409	406	427	417	415	413	401	447	0	11	08	587	16	12	392	195
9				396	399	412	406	409	412	408	414	449	495	542	555	545	519	475	439	418	415	417	420	420	420	422	419	443	0	11	09	560	0	39	394	166
10	✓	✓		419	421	424	425	427	434	431	439	462	492	512	533	537	512	494	467	442	424	415	415	410	426	432	424	451	0	12	32	574	20	15	404	170
11				403	382	389	402	416	414	406	392	410	439	461	478	490	486	475	461	437	414	406	400	395	394	393	396	422	0	13	25	499	2	12	371	128
12	✓	✓		405	409	409	412	412	409	405	399	411	447	474	489	490	483	474	458	449	440	426	427	446	451	427	425	437	0	11	58	500	7	42	396	104
13			✓	413	415	421	410	426	430	432	435	460	478	486	497	501	467	444	432	424	413	412	414	410	409	409	414	436	1	9	13	527	3	25	400	127
14	✓			417	423	423	419	425	428	438	448	465	488	508	505	492	470	453	449	442	430	419	419	421	419	421	418	443	0	11	00	519	0	24	415	104
15	✓	✓		415	420	414	408	409	414	420	434	453	473	483	485	472	463	461	463	449	430	417	414	413	411	410	410	435	0	11	32	491	3	59	404	87
16	✓			411	410	412	413	415	418	422	436	465	485	492	470	468	441	409	426	451	455	452	462	448	433	415	408	438	0	10	32	501	14	34	399	102
17			✓	381	370	396	415	405	405	385	398	450	439	482	476	413	381	365	356	369	395	404	399	396	385	384	385	401	1	11	13	499	15	28	340	159
18				389	389	395	401	399	397	404	432	472	506	519	503	479	459	445	433	428	414	400	389	386	400	399	401	427	0	9	56	531	20	50	382	149
19				400	398	391	388	392	401	405	419	434	460	469	444	411	380	367	380	411	422	413	406	405	405	405	401	409	1	10	18	512	14	05	363	149
20	✓			407	401	401	401	401	403	415	431	461	498	510	512	493	472	451	432	419	415	411	411	409	410	408	408	432	0	11	37	525	1	11	399	126
21	✓	✓		407	407	407	406	408	413	409	423	464	506	534	543	517	469	428	401	400	407	412	412	410	410	410	409	434	0	11	25	558	15	34	396	162
22	✓			411	415	415	413	407	403	406	409	417	443	455	451	461	426	427	419	428	429	425	412	412	410	409	413	422	0	12	36	485	5	08	401	84
23				408	411	415	411	423	421	421	439	468	507	539	546	510	504	454	425	407	405	405	399	401	403	394	406	438	1	11	50	567	22	52	389	178
24				415	407	405	407	408	412	407	403	432	457	485	498	486	444	426	418	406	408	401	398	399	399	401	410	422	1	11	27	515	7	34	394	121
25			✓	405	404	404	405	411	417	421	440	481	524	535	546	527	464	412	375	366	336	308	295	309	301	311	331	405	1	11	20	556	19	40	292	264
26			✓	351	371	370	378	379	388	397	413	442	476	524	496	455	417	389	379	373	365	343	330	335	356	352	360	393	1	10	15	533	19	35	325	208
27				374	379	381	384	389	392	393	393	406	423	439	446	441	429	421	412	410	408	403	397	391	390	393	393	404	0	12	05	463	0	00	361	102
28	✓	✓		400	400	402	403	409	410	418	440	475	505	517	514	494	469	448	439	434	426	415	411	412	413	411	410	436	0	10	49	522	0	00	396	126
29																																				
30																																				
31																																				
MEANS ALL DAYS				402	402	406	407	410	413	416	427	453	478	496	494	477	452	430	417	415	413	407	404	403	403	401	403	426								138
MEANS TEN DAYS *				409	411	412	411	413	415	418	428	453	484	502	503	493	467	447	434	430	426	420	419	419	419	415	414	436								123
MEANS FIVE DAYS (G. M. T.) †				409	411	411	411	413	416	417	427	453	485	504	513	502	479	461	446	435	425	411 417	409 416	407	407	407	407	436								
MEANS FIVE DAYS (G. M. T.) ‡				389	392	401	404	406	409	412	427	459	476	497	491	464	427	399	384	389	386	376	397	401	395	387	391	415								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 295

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1943 — MARCH 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			412	426	424	423	427	426	430	443	462	500	476	468	429	406	400	413	425	422	416	417	417	406	410	411	429	0	10	04	528	14 23	394	134
2				411	409	380	380	378	371	350	325	356	402	450	477	456	436	412	398	404	405	403	397	399	400	400	401	400	0	11	43	485	7 26	318	167
3				403	411	417	413	391	406	407	412	420	466	489	503	491	452	413	391	387	394	390	394	391	383	387	395	417	0	11	50	516	21 37	380	136
4				392	389	388	401	396	405	388	375	408	444	478	464	440	395	388	386	387	385	378	374	377	384	397	383	400	1	10	21	492	6 49	368	124
5				374	390	402	391	390	395	401	415	449	469	476	460	422	384	400	410	409	392	385	394	391	393	397	396	408	0	9	58	507	0 25	371	136
6				394	396	398	398	398	398	404	421	449	477	496	483	441	421	407	388	398	400	392	397	400	399	390	394	414	0	10	47	499	15 22	383	116
7	✓			396	396	400	402	404	411	415	431	469	494	496	497	469	432	405	385	389	390	378	386	382	390	395	385	417	0	10	10	511	18 37	375	136
8				388	393	395	397	401	404	394	398	435	473	496	499	467	457	440	428	416	390	390	379	390	399	399	402	418	0	11	30	505	20 03	378	127
9				403	395	401	397	407	408	396	396	438	495	519	528	498	484	465	428	415	412	409	404	404	405	402	402	430	0	11	36	538	6 54	386	152
10	✓	✓		400	401	403	407	413	416	403	391	424	471	502	515	506	481	454	420	396	391	388	387	395	394	386	383	422	0	10	40	522	23 24	382	140
11				387	392	397	400	405	410	403	403	412	453	496	522	543	570	455	426	401	379	389	385	377	379	384	394	423	1	13	03	596	14 24	369	227
12				404	402	402	400	407	409	403	384	394	435	443	449	466	455	432	411	400	398	397	397	396	392	394	395	411	1	12	37	482	7 47	358	124
13	✓	✓		396	396	397	398	399	401	398	400	428	442	478	491	480	465	450	438	425	413	410	409	403	402	397	398	421	0	11	23	498	23 00	389	109
14				397	396	400	406	405	411	407	418	447	497	510	529	523	500	473	452	435	419	412	408	407	407	408	407	436	0	11	52	543	0 43	393	150
15	✓	✓		406	407	410	414	415	413	410	421	459	494	535	550	545	529	487	452	436	421	416	414	401	406	412	406	444	0	11	51	571	24 00	391	180
16			✓	390	402	406	394	382	409	373	366	396	461	524	540	543	534	491	406	395	382	362	362	380	388	388	389	419	1	10	47	574	6 58	350	224
17				389	391	393	397	398	399	389	392	414	447	473	496	516	518	502	469	428	397	398	400	397	398	398	396	425	0	13	11	523	6 59	377	146
18	✓			399	402	404	408	405	406	401	408	437	466	485	495	489	463	449	440	427	419	413	404	404	404	403	400	426	0	12	00	509	0 57	396	113
19				397	398	401	413	419	427	421	427	452	480	531	507	490	473	424	414	377	405	409	404	396	397	397	385	427	1	10	35	555	16 21	368	187
20			✓	388	400	404	398	417	412	403	428	477	522	544	568	548	457	418	393	402	404	398	392	385	385	388	391	430	1	11	49	594	20 31	382	212
21				391	406	403	401	400	395	394	402	456	533	603	616	573	515	444	424	424	422	422	424	422	414	406	401	445	0	11	00	634	0 23	390	244
22				405	407	410	414	416	409	410	425	483	546	586	560	548	505	431	397	353	373	372	365	347	391	382	363	429	1	10	53	608	20 37	335	273
23			✓	371	379	392	394	390	388	387	405	453	494	517	521	524	472	435	387	379	388	393	396	394	392	391	391	418	1	12	27	545	1 09	367	178
24				394	400	404	400	401	400	401	411	449	479	501	499	491	482	463	443	425	409	401	396	396	396	393	394	426	0	10	18	517	23 06	385	132
25	✓	✓		394	388	390	394	398	399	394	394	419	459	491	504	501	481	449	425	414	408	406	404	404	395	398	396	421	0	12	04	507	1 30	386	121
26	✓			399	405	403	399	400	401	394	401	437	481	531	547	537	497	452	427	417	414	409	412	407	406	409	408	433	0	11	13	554	6 49	390	164
27	✓			409	410	410	411	412	410	402	416	457	506	546	561	553	511	454	414	412	413	410	407	405	404	405	404	439	0	11	26	578	6 51	400	178
28	✓	✓		401	400	403	404	406	406	402	414	461	504	543	541	524	491	463	436	416	406	403	397	401	402	393	392	434	0	10	36	552	23 16	390	162
29			✓	401	408	403	406	414	411	406	422	442	477	511	463	495	536	507	337	271	251	258	260	248	294	298	306	384	2	13	44	639	20 13	235	404
30			✓	319	333	345	354	359	368	360	346	354	338	398	404	419	418	425	386	373	338	339	355	379	359	357	375	367	1	14	19	443	0 14	306	137
31				369	369	372	378	379	379	387	396	421	447	466	461	445	415	398	394	369	342	366	371	370	379	349	359	391	1	10	38	485	17 49	330	155
MEANS ALL DAYS				393	397	399	400	401	403	398	403	434	473	503	507	496	472	441	413	400	393	391	390	389	392	391	390	420							167
MEANS TEN DAYS ✻				401	403	404	406	408	409	405	412	445	482	508	517	503	476	446	425	416	410	405	404	402	401	401	398	429							144
MEANS FIVE DAYS † (G. M. T.)				399	398	401	403	406	407	401	404	438	474	510	520	511	489	461	434	417	408	406 405	402 402	402	401	400	400	429							
MEANS FIVE DAYS ‡ (G. M. T.)				374	384	390	389	392	398	386	393	424	458	499	499	506	483	455	382	364	353	350	368	359	378	376	370	405							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 296

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1943 — APRIL 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				377	364	368	366	368	373	372	384	427	453	461	432	419	382	365	365	384	389	388	378	379	376	373	367	388	0	10	40 469	14	46 362	107
2				363	381	382	378	381	383	396	418	456	472	468	447	428	404	409	406	403	398	399	372	367	353	333	348	398	0	9	44 487	22	22 324	163
3			✓	366	366	382	374	372	373	395	425	442	469	474	483	439	403	367	371	385	383	378	371	382	380	401	371	398	1	10	18 500	1	24 346	154
4				370	372	380	386	386	391	392	417	449	446	479	463	447	403	398	409	414	400	378	342	333	385	368	363	399	1	10	47 494	19	54 326	168
5				371	378	382	384	382	380	382	413	452	477	500	492	398	362	355	379	390	371	363	369	367	383	379	382	395	1	11	12 560	13	10 339	221
6			✓	388	387	391	391	393	407	387	402	444	500	493	503	488	465	433	408	389	385	380	369	379	376	376	366	412	0	10	18 528	19	38 359	169
7				370	374	381	394	396	397	393	395	405	456	469	462	462	442	411	395	390	390	383	388	387	383	386	387	404	0	10	54 489	0	00 367	122
8	✓			383	386	389	395	395	388	381	397	438	489	515	525	507	468	435	414	402	399	396	395	394	392	389	390	419	0	11	53 528	6	39 378	150
9	✓	✓		392	394	396	399	399	400	400	412	453	492	516	523	515	491	463	436	415	395	384	384	391	390	386	376	425	0	11	23 529	23	46 368	161
10			✓	371	366	366	370	370	375	358	315	329	393	439	466	467	470	407	362	340	342	335	312	319	324	317	317	368	0	13	22 482	7	47 286	196
11			✓	330	325	335	350	351	348	347	367	397	430	440	427	411	400	400	374	361	358	357	361	362	366	368	371	372	1	10	29 445	0	07 305	140
12	✓			371	371	379	382	377	378	378	376	404	439	462	468	458	441	425	414	400	389	382	381	380	378	378	377	400	0	11	05 479	1	36 369	110
13	✓	✓		380	383	388	397	398	400	405	416	436	454	463	463	456	447	437	428	419	405	398	399	397	399	395	395	415	0	10	43 476	0	07 379	97
14	✓	✓		392	392	393	399	399	402	412	428	455	487	515	513	495	477	457	445	435	418	409	405	405	405	403	403	431	0	10	58 530	0	36 391	139
15				401	402	410	414	410	410	415	421	438	460	490	519	486	492	465	437	434	415	398	400	403	395	394	387	429	1	11	12 553	23	41 381	172
16				392	395	382	386	396	401	407	422	455	488	512	518	496	472	446	439	427	409	397	399	395	391	389	391	425	0	11	18 539	2	32 378	161
17				391	396	401	396	394	395	395	401	421	454	462	469	459	449	443	439	424	409	400	401	402	400	402	394	417	0	11	34 482	6	48 386	96
18	✓			387	388	393	400	403	409	417	424	445	471	489	496	488	466	450	435	429	418	409	405	397	392	396	397	425	0	10	57 506	0	54 381	125
19	✓			396	398	400	399	400	403	410	428	449	468	493	496	490	482	455	448	429	414	408	406	405	405	405	405	429	0	11	49 499	0	53 395	104
20				403	401	404	407	409	411	419	426	451	483	520	500	481	466	452	442	423	410	405	379	362	362	355	377	423	0	10	27 544	22	31 346	198
21				378	388	378	384	391	394	403	419	454	453	438	478	477	475	435	423	407	397	393	393	392	393	391	385	413	1	12	13 508	0	10 360	148
22				396	392	388	386	395	396	388	394	430	471	485	489	470	447	421	413	401	399	399	398	396	395	393	392	414	0	11	25 497	3	30 380	117
23	✓	✓		392	395	396	395	402	404	407	421	451	488	520	536	531	515	473	438	415	409	406	403	404	403	400	397	433	0	11	23 541	0	54 390	151
24	✓	✓		399	402	404	402	405	406	413	425	450	493	542	543	532	503	467	437	420	413	413	408	405	407	400	393	437	0	11	20 549	24	00 389	160
25				386	382	394	395	402	406	399	389	403	449	473	487	503	492	464	431	400	376	352	338	315	363	318	299	401	0	11	44 514	24	00 293	221
26			✓	307	352	338	336	346	348	341	326	335	379	403	437	442	419	393	366	355	347	328	331	353	354	360	362	361	1	12	29 454	0	03 292	162
27	✓			363	370	378	380	382	385	391	404	418	450	459	481	481	452	420	407	404	396	391	390	384	380	378	385	405	0	12	00 490	0	00 361	129
28				385	382	388	394	397	399	402	402	413	440	463	483	502	498	485	454	407	400	369	361	361	384	387	381	414	0	12	56 517	20	20 353	164
29				378	383	390	378	385	390	388	395	413	433	454	472	463	447	427	405	382	359	355	368	379	373	351	376	398	0	11	13 474	22	18 344	130
30				372	385	391	391	393	417	405	407	397	421	434	437	441	432	415	406	395	379	386	376	372	379	379	357	399	1	12	34 453	23	04 348	105
31																																		
MEANS ALL DAYS				378	382	385	387	389	392	393	402	427	459	478	484	471	452	429	414	403	392	385	379	379	382	378	376	408						148
MEANS TEN DAYS *				386	388	392	395	396	398	401	413	440	473	497	504	495	474	448	430	417	406	400	398	396	395	393	392	422						133
MEANS FIVE DAYS † (G. M. T.)				391	393	395	398	401	402	407	420	449	483	511	516	506	487	459	437	421	408	396 402	395 400	394	393	391	390	427						
MEANS FIVE DAYS ‡ (G. M. T.)				352	359	362	364	366	370	366	367	389	434	450	463	449	431	400	376	366	363	356	355	352	363	347	344	381						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 297

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MAY 1943 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) MAY 1943

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	369	387	378	367	389	372	379	386	409	420	416	412	406	383	355	346	349	328	324	371	344	345	354	360	373	1	9	39	433	18 04	313	120
2				375	377	376	373	383	388	394	406	421	433	436	452	428	396	387	385	374	369	368	384	379	377	376	379	392	0	11	11	465	0 04	363	102
3				377	379	381	383	389	390	398	417	445	459	477	464	438	399	389	374	371	365	368	384	386	389	386	378	399	0	10	29	479	17 54	353	126
4				383	385	386	388	387	389	396	407	440	474	497	510	490	467	432	408	381	384	391	390	385	385	384	389	414	0	11	43	527	0 03	371	156
5				389	389	401	399	396	398	398	388	425	452	482	511	505	470	430	408	396	392	392	386	388	387	389	391	415	0	12	03	534	7 11	373	161
6	✓			392	395	395	399	402	404	414	433	461	499	507	517	504	484	447	415	397	394	391	387	385	390	395	390	425	0	11	03	532	20 57	382	150
7	✓	✓		388	392	396	400	400	401	405	419	440	460	484	501	507	501	475	445	415	400	394	394	395	393	397	399	425	0	12	55	514	0 27	385	129
8	✓	✓		401	403	405	407	410	414	419	426	431	455	477	488	491	485	466	440	416	406	403	401	397	396	396	401	426	0	11	57	500	22 13	393	107
9	✓	✓		403	400	402	403	405	405	405	411	432	451	464	457	460	446	439	435	421	411	410	408	401	399	402	405	420	0	12	46	468	20 53	398	70
10	✓			409	419	420	424	426	428	432	437	440	477	491	502	508	490	467	448	434	420	411	410	404	404	407	408	438	0	12	37	531	21 03	401	130
11	✓			417	414	413	414	414	417	421	425	446	487	518	528	506	507	470	450	422	412	409	406	409	397	390	398	437	0	11	17	571	22 12	380	191
12				389	389	400	406	405	407	409	421	433	454	465	477	479	484	473	452	428	417	412	401	410	408	404	407	426	0	13	13	493	0 30	385	108
13				406	404	381	381	394	397	380	385	414	456	468	467	460	438	432	417	399	398	395	395	388	388	393	381	409	0	10	35	512	2 55	362	150
14				381	387	394	395	387	391	386	394	421	456	480	483	475	454	425	409	402	391	383	389	358	360	365	360	405	0	10	22	488	21 16	324	164
15			✓	359	380	379	371	373	378	390	398	420	432	443	449	456	439	421	399	393	379	382	383	385	387	387	389	399	1	12	33	462	0 42	354	108
16				391	390	395	397	395	399	391	371	381	414	449	453	443	427	402	371	381	385	379	380	378	386	375	381	396	0	11	55	490	15 15	358	132
17				387	380	387	383	396	400	407	425	450	464	483	464	449	455	453	410	401	382	369	391	364	373	350	364	408	0	10	27	508	21 05	337	171
18			✓	372	363	360	368	379	377	397	393	415	437	473	472	472	456	417	395	381	382	379	379	367	369	369	360	397	1	10	43	495	23 28	354	141
19				369	359	388	378	379	378	385	395	412	426	455	442	444	432	421	387	372	376	370	373	377	372	375	376	393	0	10	22	472	1 13	354	118
20	✓			377	383	383	383	381	382	380	399	424	456	481	494	485	455	421	398	385	380	376	369	371	374	380	380	404	0	11	38	497	19 10	368	129
21	✓	✓		379	387	385	389	394	398	390	400	419	454	486	500	481	468	451	421	401	397	397	395	394	393	392	387	415	0	11	22	506	0 46	377	129
22	✓	✓		387	386	394	392	395	400	403	415	419	443	459	466	454	435	408	391	389	395	401	403	399	398	400	395	409	0	11	21	471	1 25	382	89
23				396	382	388	385	392	390	395	392	421	438	478	482	482	456	420	407	378	367	368	353	330	341	348	359	398	0	11	01	509	20 46	320	189
24			✓	374	379	381	393	388	395	394	392	412	426	445	446	437	415	385	368	361	343	334	344	358	369	354	366	386	0	11	05	470	18 19	332	138
25				375	364	390	373	369	377	389	412	424	410	455	450	448	435	415	379	354	344	352	360	367	357	369	376	389	0	10	33	469	17 27	341	128
26				383	384	379	382	382	388	392	407	432	444	464	479	467	458	430	402	378	369	357	379	374	364	375	374	402	0	12	24	492	18 43	351	141
27				369	365	376	381	385	390	398	416	423	432	453	467	470	457	423	397	373	369	355	362	379	372	354	382	398	0	10	56	487	22 17	339	148
28			✓	392	385	376	388	389	389	384	367	372	379	391	424	434	437	421	407	389	389	384	370	375	375	398	390	392	1	13	03	450	7 52	346	104
29				377	382	387	381	385	392	396	408	421	439	448	462	461	449	432	420	397	385	387	390	387	390	388	380	406	0	11	50	467	0 29	373	94
30				380	385	402	393	392	393	402	412	432	431	443	439	443	430	421	412	401	389	390	386	388	389	391	392	406	0	10	49	455	1 06	375	80
31	✓			398	395	400	401	401	402	407	422	439	459	460	462	466	446	437	422	407	403	399	400	402	403	404	399	418	0	12	14	470	1 26	392	78
MEANS ALL DAYS				385	386	390	390	392	394	398	406	425	446	465	472	466	450	428	407	392	385	382	385	381	382	382	384	407							128
MEANS TEN DAYS ✱				395	397	399	401	403	405	408	419	435	464	483	492	486	472	448	426	409	402	399	397	396	395	396	396	422							120
MEANS FIVE DAYS † (G. M. T.)				392	394	396	398	401	404	404	414	428	453	474	482	479	467	448	426	408	402	392 401	389 400	388	389	392	391	418							
MEANS FIVE DAYS ‡ (G. M. T.)				373	379	375	377	384	382	389	387	406	419	434	441	441	426	400	383	375	364	361	374	361	365	359	364	388							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 298

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1943 — JUNE 1943

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				401	400	404	408	408	416	414	414	419	439	469	483	480	462	434	399	377	389	392	395	396	396	393	391	416	0	11	47 488	16	32 370	118
2				394	398	399	404	404	405	407	399	401	436	459	477	479	465	433	402	393	396	396	392	390	390	392	392	413	0	12	04 488	20	44 388	100
3	✓			392	394	398	402	398	396	402	412	431	461	486	499	489	460	429	409	403	401	392	389	390	394	391	395	417	0	11	48 502	19	24 388	114
4	✓	✓		398	400	403	408	407	407	412	425	444	470	500	525	522	495	451	415	400	401	401	399	403	400	399	404	429	0	11	44 533	0	48 396	137
5	✓			407	410	410	408	407	405	414	433	453	490	533	545	535	518	471	439	427	415	402	387	376	368	412	395	436	0	12	04 553	21	23 361	192
6				397	403	396	389	405	414	423	429	447	466	486	513	511	485	444	416	409	403	400	398	393	395	395	398	426	0	11	53 518	3	14 376	142
7				401	406	409	410	407	408	408	390	409	437	464	476	506	484	445	412	396	392	388	376	385	384	403	372	415	0	12	30 526	23	22 361	165
8			✓	371	366	373	374	379	399	403	386	405	429	427	446	428	406	393	388	384	364	377	368	379	385	393	405	393	1	9	37 471	17	16 360	111
9			✓	371	376	377	381	391	389	377	398	420	424	463	459	440	433	415	406	396	381	384	384	383	379	381	390	400	1	10	14 479	0	32 366	113
10				373	375	378	384	388	378	378	379	393	422	436	453	454	445	429	403	390	373	375	385	387	390	391	390	398	0	11	30 460	17	21 367	93
11				391	392	392	398	399	394	399	386	405	433	449	449	477	450	432	414	401	390	386	386	387	386	385	388	407	0	12	10 494	7	07 372	122
12				396	390	390	402	396	390	386	394	404	415	426	434	436	421	405	405	401	391	390	387	376	370	354	369	397	0	13	02 447	22	21 347	100
13				381	378	380	388	395	398	408	410	409	411	432	440	437	426	419	397	387	391	385	376	368	374	377	382	398	0	10	56 468	20	06 361	107
14				393	389	381	381	382	382	402	412	426	435	443	463	467	455	429	406	393	388	386	385	384	383	381	391	406	0	12	42 479	5	16 377	102
15	✓			385	383	385	390	393	394	406	427	459	487	506	507	495	476	437	418	399	392	392	390	387	384	382	380	419	0	11	03 512	23	04 379	133
16	✓	✓		385	389	389	391	394	393	396	404	420	437	458	472	468	461	443	424	409	399	396	397	397	397	394	394	413	0	11	44 475	0	00 382	93
17	✓	✓		393	396	398	401	402	404	416	430	441	453	457	458	448	434	420	411	407	402	399	399	399	399	397	396	415	0	10	59 463	0	35 391	72
18	✓	✓		397	398	398	403	406	408	424	447	467	484	487	479	469	459	443	430	426	425	420	412	413	414	413	408	430	0	10	20 490	0	16 394	96
19				408	410	410	413	416	421	432	451	459	476	480	493	462	454	443	420	396	395	375	345	325	342	371	365	415	0	10	57 523	20	24 308	215
20				375	375	378	384	401	396	394	400	412	442	439	463	460	450	418	394	371	371	364	363	357	367	378	380	397	1	11	58 481	20	25 350	131
21				377	379	386	389	383	397	406	379	410	429	439	436	456	428	413	393	377	388	383	385	375	370	402	408	400	1	11	58 469	21	38 364	105
22				375	378	381	387	378	378	387	395	391	412	427	428	422	424	397	381	371	369	376	374	376	390	397	377	390	0	13	13 449	16	24 365	84
23			✓	398	396	388	389	403	396	391	393	380	398	417	400	429	418	401	370	374	370	356	350	375	382	370	390	389	1	12	24 446	8	57 342	104
24			✓	400	387	390	390	389	387	395	403	416	432	447	460	453	435	427	414	398	385	382	376	372	373	377	385	403	0	11	59 475	22	23 363	112
25				383	385	391	390	389	388	394	381	361	372	405	425	425	421	407	389	383	384	376	378	388	389	383	387	391	0	12	34 438	8	47 341	97
26	✓			392	387	388	391	393	398	401	405	414	424	430	435	439	429	415	404	391	387	383	390	388	389	389	390	402	0	12	27 446	18	48 382	64
27				393	396	397	397	403	402	412	422	435	454	453	453	448	454	451	439	417	384	385	387	391	397	404	404	416	0	13	53 462	17	59 373	89
28			✓	409	405	392	398	395	389	397	393	381	414	420	437	441	424	385	370	377	377	370	380	375	373	387	399	395	1	12	12 464	18	39 365	99
29	✓			374	376	379	381	387	390	394	412	429	449	461	463	453	436	425	424	409	398	394	394	391	394	398	398	409	0	11	03 469	0	43 371	98
30	✓	✓		401	401	401	402	404	408	407	415	429	456	473	478	464	439	418	408	403	396	395	396	393	389	389	384	415	0	11	03 480	23	36 382	98
31																																		
MEANS ALL DAYS				390	391	391	394	397	398	403	407	419	440	456	465	463	448	426	407	396	390	387	384	383	385	389	390	408						114
MEANS TEN DAYS ✱				392	393	395	398	399	400	407	421	439	461	479	486	478	461	435	418	407	402	397	395	394	393	396	394	418						110
MEANS FIVE DAYS † (G. M. T.)				395	397	398	401	403	404	411	424	440	460	475	482	474	458	435	418	409	405	395 402	394 401	393	394	392	393	419						
MEANS FIVE DAYS ‡ (G. M. T.)				390	386	384	386	391	392	393	395	400	419	435	440	438	423	404	390	386	375	374	371	381	388	393	390	397						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 299

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1943 — JULY 1943

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		383	394	393	394	398	402	412	428	448	463	463	462	462	449	442	426	414	407	406	406	405	405	404	404	420	0	9 53	469	0 33	381	88
2	✓			401	400	405	403	409	412	423	445	467	471	475	465	456	440	427	420	419	414	400	394	404	401	374	392	422	0	10 22	481	22 36	363	118
3				359	343	344	369	373	376	387	407	421	452	458	451	440	429	411	399	390	385	378	371	369	373	373	374	393	0	11 52	466	2 02	331	135
4			✓	374	386	388	384	397	414	433	382	416	440	461	441	390	409	384	352	374	381	373	365	345	362	367	371	391	1	11 20	479	20 34	332	147
5			✓	384	386	382	374	370	371	382	409	435	443	479	460	446	421	385	388	370	346	354	363	368	387	368	368	393	1	10 23	508	17 30	327	181
6			✓	393	384	372	373	373	403	383	376	396	407	436	433	442	440	419	393	374	366	361	363	375	371	370	375	391	1	12 11	470	18 37	354	116
7				390	380	374	376	380	385	376	373	375	385	400	432	443	439	420	403	374	374	372	366	373	375	377	400	389	0	13 05	453	19 25	354	99
8			✓	387	377	385	400	387	382	364	360	369	385	414	439	433	443	414	379	380	377	377	375	377	381	369	377	389	1	13 39	458	7 21	350	108
9			✓	388	405	392	370	371	366	355	366	390	419	431	441	453	420	386	377	386	381	373	374	366	372	380	369	389	1	12 01	480	6 32	345	135
10				370	377	384	378	374	379	375	375	382	392	409	445	429	418	401	387	379	381	380	376	372	370	376	370	387	0	11 28	466	23 25	360	106
11				386	377	377	397	380	383	380	402	412	454	469	467	441	420	397	375	377	367	367	356	365	365	368	372	394	0	10 56	490	19 39	348	142
12				378	381	373	378	389	384	386	397	420	446	467	452	439	414	390	364	367	382	379	374	377	363	373	382	394	0	10 13	483	15 46	351	132
13				375	379	386	386	387	388	400	420	439	459	461	464	433	410	392	381	393	386	383	378	390	385	385	386	402	0	10 10	479	0 34	371	108
14	✓	✓		385	385	385	384	387	389	398	404	411	422	445	459	459	439	408	385	385	391	391	390	387	384	392	390	402	0	11 47	464	15 55	381	83
15				390	389	389	390	390	393	400	397	417	443	452	450	440	422	401	381	366	368	366	364	365	375	387	375	396	0	10 42	459	19 27	361	98
16				375	376	375	381	387	390	393	401	434	457	451	456	430	402	385	386	380	377	382	379	377	367	370	374	395	0	9 53	470	21 34	363	107
17				378	381	386	390	391	396	407	430	457	483	496	486	475	444	412	398	395	381	363	380	381	377	385	388	411	0	10 44	501	18 18	356	145
18				385	390	389	391	409	411	414	430	449	455	479	465	458	444	383	353	359	371	370	378	377	390	399	377	405	1	10 34	510	16 03	342	168
19				379	391	396	385	385	388	398	419	438	441	462	479	457	430	394	379	377	379	376	380	385	402	389	388	404	0	11 18	498	17 03	366	132
20				388	392	396	392	394	398	393	399	417	442	455	465	459	437	417	399	400	398	392	381	383	385	385	392	407	0	11 33	473	19 23	372	101
21				395	385	398	400	396	403	401	411	426	452	475	482	466	449	427	409	390	387	390	389	383	399	408	392	413	0	11 09	498	1 48	374	124
22				388	394	402	397	394	400	404	417	423	449	476	490	491	456	416	392	385	390	383	388	386	382	387	387	412	0	11 53	505	21 29	378	127
23	✓			386	394	394	392	397	402	408	423	436	462	479	478	472	449	426	410	401	392	392	387	379	382	390	403	414	0	11 52	493	20 47	376	117
24	✓	✓		394	390	393	396	398	399	406	415	430	451	474	487	490	471	436	409	394	394	394	394	393	395	389	398	416	0	12 19	494	22 24	387	107
25	✓	✓		401	397	396	397	400	403	411	422	437	465	483	487	470	440	407	395	401	415	416	412	408	407	406	409	420	0	11 17	493	15 38	391	102
26	✓			410	409	413	416	413	418	423	437	450	464	474	483	476	451	409	396	403	401	390	372	377	373	374	377	417	0	11 32	487	20 05	361	126
27	✓			375	380	388	394	398	399	403	414	423	439	448	459	478	451	419	405	399	396	393	394	394	394	392	392	409	0	12 17	484	0 57	372	112
28	✓			396	395	399	401	401	405	417	432	441	463	484	487	472	458	444	427	413	401	392	390	387	392	388	390	420	0	10 51	490	20 42	385	105
29	✓	✓		392	395	396	398	399	403	417	436	449	462	473	472	464	450	427	405	399	410	408	409	419	410	415	408	422	0	11 00	476	23 59	381	95
30				378	377	393	397	396	405	408	443	449	464	465	448	446	419	386	377	386	380	372	357	360	363	372	381	401	1	10 38	484	19 44	344	140
31				379	376	380	385	392	388	409	441	456	466	472	459	439	429	401	396	387	377	369	371	382	382	379	388	404	0	10 00	482	18 38	364	118
MEANS ALL DAYS				385	386	388	389	391	395	399	410	426	445	460	463	453	435	409	392	388	386	382	380	381	383	384	385	404						120
MEANS TEN DAYS ✱				392	394	396	398	400	403	412	426	439	456	470	474	470	450	424	408	403	402	398	395	395	394	392	396	416						105
MEANS FIVE DAYS † (G. M. T.)				391	392	393	394	396	399	409	421	435	453	468	473	469	450	424	404	399	403	391 403	389 402	388	389	388	392	413						
MEANS FIVE DAYS ‡ (G. M. T.)				385	388	384	380	380	387	383	379	401	419	444	443	433	427	398	378	377	370	368	368	366	376	371	378	391						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 300

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1943

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			390	381	377	381	386	387	401	431	458	487	494	503	458	433	397	383	377	381	379	376	379	389	384	366	407	0	11	03	521	23 51	363	158
2				366	385	387	382	384	387	404	430	461	462	478	488	478	415	403	393	390	376	364	354	374	350	377	369	402	0	11	16	512	19 36	341	171
3				370	381	389	380	376	390	395	408	418	455	498	506	474	440	376	359	364	356	357	360	376	379	362	377	398	1	11	28	525	19 13	348	177
4				372	372	375	376	377	381	374	372	385	390	410	437	445	407	378	363	366	376	367	367	379	358	361	379	382	1	12	57	472	7 52	350	122
5				373	376	372	374	378	381	390	395	423	463	478	485	466	432	394	367	361	362	359	361	367	363	362	371	394	0	11	21	499	17 43	356	143
6	✓			366	366	368	380	381	380	373	381	406	433	463	456	469	440	401	371	374	378	383	381	377	381	383	384	395	0	12	44	488	2 13	364	124
7				378	381	385	396	379	390	366	344	351	385	409	458	465	447	420	398	377	372	374	382	384	379	372	384	391	0	12	12	476	7 18	335	141
8			✓	356	376	383	371	377	390	365	373	379	390	415	411	406	369	309	296	286	302	292	288	265	315	312	311	347	1	11	35	440	20 43	252	188
9				332	316	325	327	333	342	361	374	387	397	394	404	403	393	389	378	356	347	344	345	342	363	351	338	360	0	12	01	419	1 17	311	108
10	✓	✓		350	356	357	353	360	363	376	384	397	411	426	436	441	438	425	402	377	364	360	363	358	355	359	370	383	0	13	30	446	0 00	340	106
11	✓	✓		365	367	370	368	368	373	382	396	410	425	444	461	471	466	434	407	386	374	376	368	359	356	363	371	394	0	13	02	477	21 32	354	123
12	✓			366	364	366	367	371	378	393	403	406	412	437	456	474	465	452	435	401	385	363	374	383	373	377	352	398	0	12	10	481	23 47	332	149
13			✓	360	347	344	369	388	379	374	379	388	425	431	440	441	436	390	347	294	326	334	366	353	357	362	363	375	1	10	58	480	16 34	270	210
14				361	373	375	376	377	379	377	384	395	421	437	430	435	434	400	374	350	339	347	351	365	376	367	365	383	0	10	51	458	17 22	323	135
15				379	370	370	374	374	382	395	404	418	412	417	411	422	385	365	375	371	371	369	371	372	381	387	361	385	0	9	22	446	16 19	352	94
16				362	381	382	375	377	383	391	393	388	406	431	462	444	431	403	370	365	368	361	355	363	375	354	373	387	1	11	59	481	20 19	340	141
17				372	361	367	358	357	364	377	402	439	451	469	468	457	441	411	364	356	365	371	366	372	357	371	379	391	0	10	55	491	16 41	349	142
18				376	371	381	382	391	367	384	379	388	433	472	482	485	436	404	373	359	356	355	354	355	356	361	363	390	1	12	22	513	7 55	325	188
19				361	359	385	389	366	371	353	346	354	383	444	454	451	438	399	377	355	340	331	299	323	335	367	368	373	1	10	23	496	19 26	280	216
20			✓	346	375	364	381	387	384	382	384	402	407	432	450	457	416	411	382	364	355	349	369	330	326	355	342	381	1	12	18	480	21 48	322	158
21	✓			379	358	358	363	366	370	375	384	405	440	457	466	454	437	425	408	385	366	362	367	365	366	368	376	392	0	11	06	480	0 00	346	134
22	✓	✓		371	375	374	372	369	369	367	379	406	439	462	462	457	434	414	403	388	378	374	368	363	355	354	368	392	0	11	08	469	22 02	350	119
23	✓	✓		369	372	375	379	386	391	396	411	415	434	439	447	439	427	417	409	390	380	373	367	336	360	367	362	393	0	9	05	459	20 56	331	128
24				396	362	356	365	372	381	388	404	420	432	465	456	453	428	403	389	374	371	373	367	359	364	372	348	392	1	11	04	490	23 38	339	151
25				358	372	367	363	368	375	384	392	399	413	426	439	450	435	393	383	368	346	338	342	359	374	370	369	383	0	12	00	465	18 33	334	131
26	✓			357	363	379	371	364	370	377	406	442	462	474	469	452	416	377	365	369	368	366	365	365	362	378	370	391	0	10	22	489	0 44	354	135
27	✓	✓		369	370	372	372	376	381	391	408	425	455	473	482	471	446	416	398	394	385	383	376	371	375	363	363	401	0	11	42	486	22 54	350	136
28				366	372	384	396	400	394	425	434	445	408	395	408	417	425	414	397	355	321	296	324	329	359	355	358	382	1	8	00	524	10 13	276	248
29				369	367	368	375	371	366	376	401	408	451	440	447	439	426	392	375	361	358	364	364	362	413	381	358	389	1	9	55	481	23 26	344	137
30			✓	359	358	345	356	362	362	353	352	383	417	408	431	432	394	359	323	303	301	291	313	254	325	270	304	348	1	12	33	458	20 46	219	239
31			✓	254	350	321	333	350	363	340	334	365	415	371	378	377	341	332	312	296	303	310	341	317	335	329	327	337	2	9	57	450	0 33	233	217
MEANS ALL DAYS				363	367	368	371	373	377	380	389	405	426	442	451	448	425	397	377	362	357	354	356	353	362	361	361	384							154
MEANS TEN DAYS #				368	367	370	371	373	376	383	398	417	440	457	464	459	440	416	398	384	376	372	370	366	367	370	368	395							131
MEANS FIVE DAYS † (G. M. T.)				365	368	370	369	372	375	382	396	411	433	449	458	456	442	421	404	387	376	361 373	362 368	359	360	362	364	392							
MEANS FIVE DAYS ‡ (G. M. T.)				335	361	351	362	373	376	363	364	383	411	411	422	423	391	360	332	309	317	315	346	341	365	353	353	363							

AUGUST 1943

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 301

HORIZONTAL INTENSITY

SEPTEMBER 1943

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				344	345	343	338	344	343	337	357	395	419	445	446	411	392	364	348	344	343	333	331	325	357	330	336	361	1	11	03	473	22	49	321	152
2				341	339	344	342	350	347	332	333	355	377	375	405	394	376	355	362	344	317	324	329	351	346	350	375	353	1	11	31	411	17	33	305	106
3			✓	357	349	348	345	354	350	346	363	373	369	398	424	415	406	383	366	356	346	344	341	340	345	352	341	363	1	11	45	454	20	09	331	123
4				345	370	362	350	359	344	351	372	413	417	441	444	395	375	353	346	356	358	349	348	346	348	368	343	369	1	11	11	474	5	45	333	141
5				356	359	354	361	364	362	356	379	404	438	456	453	426	411	384	372	359	339	343	350	357	352	361	355	377	0	11	02	468	17	28	333	135
6	✓			356	356	356	358	360	362	362	376	401	424	440	445	429	411	412	392	375	370	369	366	362	362	361	363	382	0	11	08	448	0	00	352	96
7	✓	✓		373	369	372	373	371	375	375	388	420	441	459	475	473	448	435	409	382	375	375	371	361	359	357	362	396	0	11	27	486	22	08	356	130
8				368	375	373	370	376	380	389	400	423	455	455	473	477	383	371	357	344	347	337	316	353	336	338	363	382	1	12	10	504	19	31	296	208
9				349	345	351	354	357	362	370	384	419	437	439	450	422	402	372	367	358	352	315	318	350	338	327	338	370	1	11	52	483	19	00	304	179
10				350	358	362	361	369	362	374	381	405	448	458	432	437	420	404	376	358	354	354	353	368	375	341	368	382	0	9	26	485	22	41	330	155
11				360	357	357	361	364	370	382	408	436	461	487	471	428	416	391	377	345	337	351	373	346	371	361	360	386	1	10	47	519	17	23	324	195
12				361	363	367	369	361	373	375	406	443	477	497	502	467	412	377	368	368	372	367	351	351	364	375	353	392	0	11	27	517	21	13	338	179
13				362	363	357	360	367	368	379	387	418	445	461	454	450	395	378	366	362	365	358	357	362	356	372	376	384	1	10	29	487	18	57	339	148
14				361	362	370	381	379	386	384	396	425	457	484	491	475	454	399	367	365	365	362	360	349	360	367	360	394	0	12	22	520	20	42	344	176
15	✓			354	362	367	368	370	373	381	399	427	449	471	499	471	442	410	395	373	367	366	360	359	363	361	366	394	0	11	40	512	0	40	351	161
16	✓	✓		367	367	365	371	374	377	380	397	429	451	470	443	439	424	398	384	382	368	372	368	360	354	356	378	391	0	10	42	494	22	39	347	147
17	✓			363	357	371	376	377	380	378	394	420	442	472	500	503	485	447	404	375	361	370	371	369	363	367	368	401	0	11	32	513	17	20	353	160
18	✓	✓		371	372	373	375	374	378	379	395	424	462	485	500	495	477	445	402	379	339	325	354	362	369	369	363	399	0	11	37	504	18	29	320	184
19	✓			375	381	369	370	373	374	369	373	382	411	441	457	458	432	418	397	380	375	376	375	375	377	375	372	391	0	12	08	464	0	00	356	108
20	✓	✓		382	378	382	383	385	392	400	425	445	468	481	499	497	472	457	438	408	378	373	363	361	348	367	376	411	0	12	00	520	21	30	338	182
21				365	373	388	380	380	376	358	380	388	428	445	460	453	428	384	374	377	373	365	354	372	350	357	380	387	1	10	48	480	21	37	339	141
22				359	362	373	371	375	379	377	387	396	420	421	434	444	450	435	415	393	376	373	372	375	370	387	376	392	1	9	31	474	0	38	355	119
23	✓			370	380	370	366	373	373	383	402	433	463	483	485	475	451	430	407	384	364	360	375	384	377	374	376	402	0	10	54	504	18	43	355	149
24	✓	✓		377	382	382	385	390	392	391	403	428	461	498	518	496	457	424	406	398	392	398	394	394	390	391	400	414	0	11	43	527	0	23	373	154
25				401	373	378	366	365	367	374	375	421	430	470	465	448	431	425	413	395	379	376	374	377	377	378	377	397	0	11	07	489	1	01	349	140
26			✓	359	351	353	366	381	388	397	412	440	429	411	415	408	387	396	380	362	354	352	350	367	351	352	336	379	1	8	49	484	23	49	333	151
27				344	359	361	364	364	362	361	373	407	427	466	471	470	435	370	353	356	368	347	376	352	323	352	356	380	1	12	19	499	21	15	303	196
28			✓	339	351	350	355	341	337	346	354	395	424	460	465	449	431	390	349	327	340	344	335	338	344	355	347	369	1	10	53	489	16	38	309	180
29			✓	338	349	354	346	332	327	332	337	387	434	439	429	408	359	326	314	313	336	338	330	353	336	361	360	356	1	9	40	479	14	59	287	192
30			✓	343	352	344	350	355	351	334	368	397	449	494	510	489	408	364	311	279	319	327	331	357	338	347	373	370	1	11	33	531	16	17	260	271
31																																		
MEANS ALL DAYS				360	362	363	364	366	367	368	383	412	437	457	464	450	422	397	377	363	358	355	355	359	357	360	363	384								159
MEANS TEN DAYS *				369	370	371	372	375	378	380	395	421	447	470	482	474	450	428	403	384	369	368	370	369	366	368	372	398								147
MEANS FIVE DAYS † (G. M. T.)				374	374	375	377	379	383	385	402	429	457	479	487	480	456	432	408	390	370	368 369	369 370	370	368	368	369	402							
MEANS FIVE DAYS ‡ (G. M. T.)				347	350	350	352	353	351	351	367	398	421	440	449	434	398	372	344	327	339	341	349	354	345	359	363	369								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
☐ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 302

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1943

OCTOBER 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	343	356	362	355	355	353	353	379	421	439	489	480	444	400	373	338	342	337	352	318	316	324	336	344	371	1	11	27	501	20	22	299	202
2			✓	351	370	358	357	361	351	357	387	404	458	484	496	449	387	374	342	341	340	361	344	323	338	343	365	377	1	11	33	511	20	05	315	196
3			✓	356	352	360	372	351	360	338	366	415	464	499	516	469	407	377	359	338	317	340	340	330	358	342	345	378	1	11	06	539	17	26	310	229
4				356	369	360	362	357	356	350	360	390	436	469	467	461	436	410	384	363	354	351	349	366	358	350	347	382	0	10	38	480	23	04	343	137
5	✓			352	360	360	361	360	361	351	363	406	445	492	507	496	459	406	386	369	362	366	368	364	356	359	361	390	0	11	12	523	6	38	349	174
6	✓	✓		363	363	367	373	374	372	358	357	399	445	488	496	469	431	411	397	388	377	378	374	353	345	363	373	392	0	11	23	504	21	03	336	168
7				376	383	377	383	391	391	383	415	450	437	442	461	466	433	409	392	374	342	328	312	333	355	353	350	389	1	12	14	504	19	40	294	210
8				351	358	367	372	372	380	353	370	375	405	444	484	446	433	409	376	338	317	332	341	339	338	351	371	376	1	11	24	518	17	43	311	207
9			✓	356	349	380	369	352	356	353	386	420	447	435	453	435	376	361	358	344	340	358	367	358	351	355	352	375	1	11	21	486	17	43	325	161
10				360	351	357	361	369	367	375	396	432	430	457	407	413	395	391	378	374	360	357	352	360	364	364	362	380	1	10	44	516	1	23	347	169
11	✓			361	363	362	360	361	362	367	393	442	479	486	474	450	421	384	369	371	370	366	364	349	364	364	351	389	0	10	32	496	20	22	340	156
12				345	351	361	358	357	364	368	399	434	452	453	444	404	376	363	360	360	366	370	371	365	363	366	363	380	0	11	21	472	0	54	340	132
13	✓			364	365	368	371	373	378	390	428	467	501	521	521	490	445	402	371	361	368	362	361	370	365	363	363	403	0	11	09	539	16	24	354	185
14	✓	✓		365	366	367	370	376	380	379	403	438	469	496	502	489	446	409	381	367	371	378	374	373	371	371	374	401	0	10	59	510	0	32	362	148
15	✓	✓		374	376	377	381	383	384	394	415	448	479	503	509	486	451	411	385	373	374	379	377	376	379	386	385	408	0	11	14	515	16	54	370	145
16	✓	✓		385	386	388	384	385	385	383	403	436	458	469	476	483	466	434	404	382	382	392	388	380	383	382	374	408	0	12	53	491	23	56	370	121
17				366	361	370	366	376	374	363	393	415	461	481	496	481	449	410	368	350	363	373	373	371	369	374	373	395	0	11	26	513	16	47	344	169
18	✓	✓		372	370	371	377	383	383	378	391	419	439	465	490	486	438	421	397	376	371	370	374	372	371	382	384	399	0	11	34	514	17	35	366	148
19	✓			381	373	374	382	377	375	361	368	410	439	475	492	492	465	428	407	383	381	389	388	388	389	383	380	403	0	12	19	511	6	42	355	156
20				378	377	382	384	388	384	385	389	419	452	461	476	490	418	422	401	378	463	362	344	346	342	361	359	398	1	12	33	512	21	09	328	184
21	✓			365	372	373	373	370	370	370	383	401	427	444	455	462	448	425	396	382	375	379	375	372	368	366	361	392	0	12	26	467	23	26	356	111
22				362	376	392	388	385	369	347	371	381	404	440	436	425	419	409	387	356	359	358	351	329	328	334	339	377	1	11	20	457	20	56	325	132
23				341	346	350	359	363	365	368	389	421	449	451	472	460	438	412	388	367	353	360	348	340	337	352	361	383	0	11	21	479	21	24	331	148
24				366	370	371	368	364	374	369	351	386	359	417	415	407	398	370	350	339	312	322	322	349	339	317	342	362	1	10	09	443	17	56	305	138
25				342	345	365	367	356	350	354	377	410	429	445	447	421	398	380	370	346	354	353	349	347	324	329	354	371	1	11	33	463	21	42	320	143
26			✓	337	336	342	362	354	349	338	372	401	393	359	360	371	374	357	358	341	335	355	346	344	351	344	363	356	1	9	14	437	6	23	321	116
27				348	359	367	362	356	347	350	387	403	421	430	413	395	371	371	342	324	340	349	324	325	333	325	331	361	0	11	02	443	16	01	299	144
28				331	338	342	337	337	347	361	388	401	410	415	394	404	373	352	352	353	344	345	352	362	341	344	359	362	0	10	20	446	0	39	321	125
29				349	348	347	358	358	361	344	362	399	416	440	423	416	383	369	350	340	347	350	352	352	340	348	342	366	0	10	13	465	6	34	321	144
30				340	359	350	348	352	349	352	372	385	400	428	433	429	383	365	358	337	354	359	365	366	350	355	340	368	1	11	24	465	16	57	320	145
31				334	341	341	352	358	348	335	336	362	410	425	458	426	406	373	351	326	338	341	343	351	345	346	351	362	1	11	45	487	6	52	315	172
MEANS ALL DAYS				357	361	365	367	366	366	362	382	413	437	458	463	449	417	393	373	358	357	359	355	354	353	355	359	382								159
MEANS TEN DAYS ✻				368	369	371	373	374	375	373	390	427	458	484	492	480	447	413	389	375	373	376	374	370	369	372	371	399								151
MEANS FIVE DAYS † (G. M. T.)				372	372	374	377	380	381	378	394	428	458	484	495	483	446	417	393	377	375	372 379	371 377	371	368	371	371	401								
MEANS FIVE DAYS ‡ (G. M. T.)				349	353	360	363	355	354	348	378	412	440	453	461	434	389	368	351	341	334	353	337	336	332	341	361	371								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 303

HORIZONTAL INTENSITY

NOVEMBER 1943

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				358	354	347	350	348	337	359	365	397	404	423	436	400	395	381	358	340	336	342	356	359	353	352	353	367	0	11	10 448	17	25 333	115
2	✓			352	348	350	350	356	355	358	380	414	443	465	465	455	430	403	381	367	361	364	365	363	360	360	357	383	0	11	23 482	1	24 347	135
3	✓			356	361	358	357	359	360	366	396	440	473	475	464	442	417	388	367	356	358	365	369	367	370	375	377	388	0	10	51 480	16	35 353	127
4	✓			378	370	367	370	369	368	365	390	424	451	449	456	450	439	419	399	384	366	360	371	378	378	373	362	393	0	9	40 472	23	24 356	116
5				358	361	368	371	381	377	367	395	412	449	426	448	438	416	403	383	370	359	364	365	362	364	371	365	386	1	9	13 503	1	01 353	150
6				367	366	367	370	379	379	376	384	422	412	438	451	363	357	341	338	336	325	341	338	345	337	338	344	367	1	11	29 490	12	30 292	198
7				351	347	343	344	360	367	364	384	407	417	411	398	386	371	369	334	351	353	357	361	365	363	360	358	368	0	9	15 430	15	37 317	113
8				360	367	357	354	363	372	376	395	425	451	445	444	414	401	392	372	361	360	353	364	360	365	367	369	383	0	11	34 480	18	03 349	131
9				364	364	368	363	365	367	374	392	405	421	417	397	382	382	378	376	376	365	359	364	359	363	363	364	376	0	9	53 438	1	16 350	88
10				366	371	372	372	375	373	376	397	434	452	476	468	454	438	386	351	354	357	363	371	369	367	368	368	391	0	10	33 483	15	41 345	138
11	✓	✓		370	368	367	367	366	369	379	404	429	450	459	458	435	414	395	378	371	372	375	375	377	375	378	377	392	0	10	49 466	2	06 365	101
12	✓			377	383	383	388	388	386	384	394	426	447	450	448	425	397	377	365	359	360	368	369	370	371	371	371	390	0	10	16 468	16	51 357	111
13	✓	✓		371	373	375	373	376	377	379	397	429	455	471	477	442	423	405	387	370	365	368	370	373	375	373	368	395	0	11	26 491	17	55 360	131
14	✓	✓		371	368	375	378	380	380	379	396	428	454	470	458	453	437	418	399	379	374	375	379	378	377	378	381	399	0	10	46 478	1	24 367	111
15	✓	✓		384	387	389	388	386	382	384	398	429	469	497	521	510	497	463	426	393	390	383	384	378	384	400	388	417	0	11	32 528	17	57 373	155
16				397	395	395	390	393	385	375	379	405	441	449	451	453	445	417	383	355	354	358	368	373	369	369	371	395	0	11	26 483	16	44 347	136
17	✓	✓		373	375	375	378	375	367	353	359	388	423	450	466	461	445	435	414	402	383	379	379	380	380	380	378	396	0	11	07 472	6	40 347	125
18				380	387	389	383	380	368	350	350	373	399	453	450	450	415	410	396	388	384	386	380	379	384	380	382	392	0	10	36 484	6	50 344	140
19			✓	344	356	350	371	370	334	296	283	323	370	381	413	411	399	371	373	357	334	333	342	344	360	336	343	354	2	12	20 478	6	55 254	224
20			✓	346	351	355	347	348	340	329	325	336	364	389	378	377	382	377	351	354	354	351	324	329	335	341	359	352	1	10	10 431	7	07 291	140
21				353	343	351	358	351	355	350	375	374	367	393	383	372	341	346	359	355	342	348	352	346	342	342	364	357	1	10	26 416	13	17 317	99
22				358	346	345	346	348	365	378	374	388	381	390	392	390	386	398	396	376	366	353	357	352	360	361	360	369	1	10	49 440	2	27 341	99
23				347	355	360	360	354	358	351	352	351	362	371	370	339	353	341	312	314	299	322	326	350	326	336	336	344	1	10	52 420	15	36 290	130
24				341	343	341	338	338	345	356	369	377	383	356	369	353	368	363	372	369	347	346	352	359	351	344	350	355	1	9	09 417	13	06 321	96
25			✓	345	344	351	358	349	344	335	336	353	374	363	354	355	320	310	292	287	319	335	335	334	336	349	365	339	1	10	14 423	13	54 275	148
26			✓	351	342	341	344	353	358	354	366	408	373	329	311	332	341	362	369	346	326	331	315	310	322	342	336	344	1	8	21 423	10	24 273	150
27			✓	320	353	351	349	343	334	354	373	408	420	415	395	392	369	359	313	323	327	336	328	334	340	341	352	355	1	8	54 454	15	34 302	152
28				344	342	348	352	350	359	358	377	421	456	466	456	433	361	325	301	313	328	350	346	349	358	357	351	367	0	10	51 475	15	46 294	181
29				355	354	349	343	345	343	339	379	410	451	452	424	395	357	340	334	329	338	344	347	347	347	345	344	363	0	10	35 459	16	03 318	141
30	✓			344	347	355	353	351	351	353	369	402	439	455	433	405	375	355	350	347	348	350	355	357	359	357	357	369	0	10	16 463	0	03 342	121
31																																		
MEANS ALL DAYS				359	361	361	362	363	362	361	374	401	422	429	428	412	396	381	364	356	352	355	357	358	359	360	362	375						133
MEANS TEN DAYS *				368	368	369	370	371	370	370	388	421	450	464	465	448	427	406	387	373	368	369	372	372	373	374	372	392						123
MEANS FIVE DAYS † (G. M. T.)				374	374	376	377	377	375	375	391	421	450	469	476	460	443	423	401	383	377	366 376	371 377	373	372	372	372	398						
MEANS FIVE DAYS ‡ (G. M. T.)				341	349	350	354	353	342	334	337	366	380	375	370	373	362	356	340	333	332	337	345	345	351	350	355	351						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 304

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1943

DECEMBER 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				353	353	354	354	358	364	375	404	454	492	517	502	445	424	399	371	347	349	360	366	368	365	357	360	391	0	10	38	547	17 19	339	208
2				363	365	372	376	375	375	372	390	439	475	507	456	416	381	356	324	347	340	341	351	349	345	351	345	380	0	10	00	547	15 19	299	248
3			✓	346	357	356	358	358	363	361	372	407	417	432	456	411	381	355	350	356	354	350	346	345	342	347	355	370	1	11	14	485	14 06	317	168
4				356	350	351	357	356	359	352	366	384	399	397	407	418	381	366	367	352	350	354	354	361	366	358	367	368	1	9	27	450	16 56	341	109
5				373	361	359	363	361	359	357	358	375	370	375	385	382	386	383	375	368	364	360	359	359	359	359	358	367	0	11	31	421	10 55	338	83
6	✓	✓		359	359	360	359	360	359	353	359	384	399	413	408	412	404	397	391	384	372	364	363	365	368	366	364	376	0	10	53	428	6 34	349	79
7	✓			362	362	361	364	367	372	360	370	377	401	407	399	393	380	377	380	376	371	368	373	375	370	363	367	375	0	10	47	414	6 52	351	63
8	✓			375	377	373	374	375	379	382	396	423	431	431	412	399	380	378	382	380	373	368	367	366	366	370	376	385	0	10	10	440	21 54	364	76
9				375	371	362	370	374	380	388	397	409	419	414	398	373	381	374	378	370	357	350	356	360	362	363	361	377	0	10	04	428	18 41	349	79
10	✓			358	356	362	364	365	374	385	399	409	417	395	380	371	365	366	362	362	356	358	362	363	365	367	370	372	0	9	33	430	17 33	354	76
11	✓	✓		371	373	371	371	375	385	403	422	452	469	477	452	399	340	326	337	357	371	380	377	377	378	378	375	388	0	10	11	484	14 18	319	165
12	✓	✓		373	370	372	371	372	377	388	405	430	453	464	436	401	373	343	342	350	363	368	365	364	373	372	373	383	0	10	07	474	14 50	332	142
13	✓	✓		374	373	373	375	382	390	406	421	435	460	453	436	414	380	357	344	362	371	373	375	377	376	376	377	390	0	9	48	465	15 13	336	129
14				378	380	382	384	386	388	401	419	445	490	422	362	326	299	305	343	355	364	356	355	358	359	359	360	374	0	9	02	518	13 41	290	228
15	✓			360	362	362	360	367	367	371	385	426	470	507	518	471	435	382	351	341	349	354	351	357	363	356	360	389	0	11	03	542	16 03	332	210
16			✓	368	371	375	368	366	367	347	343	368	407	404	419	406	367	350	326	336	325	311	302	332	331	340	369	358	1	9	44	448	8 09	284	164
17			✓	346	341	342	347	350	358	355	358	361	409	445	427	416	377	335	336	332	340	341	338	341	357	359	351	361	1	10	48	491	7 46	321	170
18				351	355	353	344	348	358	362	377	410	424	462	446	423	396	362	360	365	366	359	347	327	339	344	352	372	0	10	36	472	20 59	319	153
19			✓	356	361	354	352	355	348	362	366	394	422	440	425	394	343	316	328	316	321	322	346	347	338	344	353	358	1	10	54	490	16 56	303	187
20			✓	349	344	350	353	348	344	353	348	394	418	425	444	411	384	346	317	322	335	321	337	337	347	347	348	359	1	11	44	460	18 48	303	157
21				353	353	347	348	352	356	356	365	382	405	416	426	423	416	364	352	342	335	323	333	350	344	338	349	364	1	12	09	458	18 40	313	145
22				344	346	344	342	343	359	362	370	395	407	408	414	383	373	372	366	364	351	342	346	351	349	346	349	364	0	11	48	437	4 08	334	103
23				351	353	350	343	346	353	348	350	359	364	358	358	349	335	325	349	357	354	350	347	341	339	343	344	349	0	9	49	383	14 16	312	71
24				341	346	347	350	355	359	375	389	420	435	439	414	410	385	375	351	367	369	367	360	358	359	364	376	375	0	10	07	451	0 21	339	112
25				366	355	354	354	354	353	366	376	397	422	430	418	400	395	393	379	372	363	353	350	348	352	353	354	373	0	11	09	448	19 00	342	106
26				354	357	360	360	361	368	380	385	393	397	418	423	418	415	374	341	349	351	351	347	347	345	345	351	370	0	10	34	448	15 40	331	117
27				349	351	353	350	351	355	370	391	406	426	432	425	414	402	394	379	366	359	357	356	362	365	364	362	377	0	9	45	442	0 03	346	96
28	✓	✓		361	372	371	374	377	382	397	411	441	466	478	469	451	414	382	366	365	366	368	364	365	364	363	360	393	0	10	43	481	24 00	356	125
29				352	353	351	349	357	361	370	398	447	491	505	464	407	368	330	315	341	356	365	367	368	368	367	367	380	0	10	30	512	14 53	304	208
30	✓			368	368	365	366	369	375	384	399	440	464	481	472	437	414	389	379	384	382	377	367	366	364	363	364	393	0	10	34	486	21 58	361	125
31				368	367	364	354	355	356	362	385	426	459	457	433	413	357	309	292	321	327	328	347	354	355	356	355	367	0	10	17	465	15 18	268	197
MEANS ALL DAYS				360	360	360	360	362	366	371	383	409	432	439	429	406	382	361	353	355	355	353	354	356	357	357	360	374							139
MEANS TEN DAYS *				366	367	367	368	371	376	383	397	422	443	451	438	415	388	370	363	366	367	368	366	368	369	367	369	384							119
MEANS FIVE DAYS † (G. M. T.)				368	369	369	370	373	379	389	404	428	449	457	440	415	382	361	356	364	369	365 371	364 369	365	368	368	368	385							
MEANS FIVE DAYS ‡ (G. M. T.)				353	355	355	356	355	356	356	357	385	415	429	434	408	370	340	331	332	335	329	339	342	343	347	356	362							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 305

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1943. JANUARY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			128	129	129	130	131	131	135	143	143	142	144	143	123	115	119	120	120	122	127	130	130	129	129	130	130	0	11 00	147	13 04	113	34
2				129	130	131	131	132	132	132	143	150	150	148	146	139	133	131	130	130	127	130	131	131	131	130	130	134	0	8 21	152	17 31	126	26
3				130	130	131	132	133	135	135	136	134	135	141	135	128	127	135	137	135	132	132	127	127	126	125	124	132	1	10 36	144	21 51	123	21
4			✓	124	126	124	127	128	130	136	142	146	147	145	132	131	124	124	119	119	121	127	124	126	123	124	124	129	1	9 43	154	16 55	117	37
5				124	125	125	128	128	127	128	141	145	145	145	144	144	152	149	144	132	127	126	130	129	130	129	129	134	1	13 13	154	0 05	123	31
6				128	127	127	128	128	128	127	127	128	123	128	129	127	123	123	126	127	127	128	129	128	128	129	128	127	0	11 07	131	13 34	121	10
7	✓	✓		128	128	128	129	129	128	126	133	133	128	126	122	126	129	125	124	125	126	128	128	128	126	126	128	127	0	7 55	136	11 13	121	15
8	✓			128	128	129	130	130	129	126	134	138	133	125	126	135	138	138	133	128	126	125	128	129	127	127	127	130	0	14 02	141	11 04	121	20
9				127	127	127	128	128	128	130	138	137	134	135	139	139	136	135	136	130	127	128	130	131	130	129	128	132	0	13 02	141	0 11	124	17
10				128	127	129	130	131	129	125	134	139	137	126	116	105	101	109	115	124	131	129	133	133	132	130	129	126	0	8 40	141	13 14	99	42
11	✓	✓		128	129	130	130	131	132	130	130	128	128	128	120	109	106	109	111	118	128	130	133	132	130	128	126	125	0	19 29	134	12 57	101	33
12				124	123	126	128	129	131	130	134	135	128	133	128	121	121	118	121	125	130	130	130	130	130	129	129	128	0	8 18	138	14 46	117	21
13	✓	✓		128	128	128	129	130	130	130	133	133	129	130	130	126	126	122	116	116	123	126	127	128	128	128	128	127	0	8 19	134	16 02	112	22
14	✓	✓		128	128	128	130	130	129	129	141	137	132	134	130	128	127	128	121	124	132	131	130	129	129	129	129	130	0	7 57	145	15 32	120	25
15	✓	✓		128	129	130	131	131	130	132	141	144	132	127	126	124	117	115	115	119	124	130	132	131	130	129	129	128	0	8 09	147	15 12	111	36
16				128	128	129	130	131	131	130	134	136	130	135	128	121	117	119	117	115	118	120	120	122	122	122	120	125	0	8 06	139	16 28	114	25
17			✓	118	116	115	117	120	120	125	128	139	135	138	125	118	112	105	112	121	123	124	125	123	122	121	121	122	1	10 25	143	14 42	104	39
18				121	121	122	124	125	124	123	132	138	146	152	150	145	133	118	116	115	118	119	124	124	124	123	124	128	0	10 30	154	15 52	113	41
19				125	124	126	127	128	129	129	130	129	125	123	118	116	117	121	126	130	130	128	128	127	127	126	126	126	0	7 12	134	12 36	114	20
20			✓	124	126	126	126	127	128	130	136	137	136	134	129	117	110	108	109	118	126	130	129	126	126	124	125	125	1	7 40	138	14 40	105	33
21			✓	125	125	124	125	126	128	131	138	142	143	148	143	138	133	131	126	126	125	126	127	131	131	130	127	131	1	10 35	151	2 38	122	29
22			✓	126	129	129	129	129	130	128	132	131	131	130	120	114	115	121	118	114	123	130	131	130	130	130	129	126	1	8 00	135	12 49	110	25
23				129	129	131	132	132	131	131	131	131	135	133	121	123	127	135	141	139	136	134	133	131	130	129	130	131	0	15 37	143	11 54	118	25
24				131	129	131	132	132	132	132	134	133	132	128	118	107	104	101	114	122	124	128	129	130	129	128	127	125	0	7 54	136	14 10	97	39
25	✓			128	129	130	132	132	131	129	132	131	133	129	119	110	107	112	114	120	125	125	128	127	125	127	126	125	0	9 50	135	13 40	107	28
26				124	127	128	128	132	132	131	136	139	139	128	120	128	143	154	149	139	135	134	134	132	130	128	129	133	0	14 27	157	11 46	118	39
27				128	128	127	129	130	130	130	133	134	132	131	126	126	130	135	128	122	125	126	128	127	127	126	125	128	0	14 20	138	16 30	121	17
28				126	126	127	127	130	134	134	140	135	130	127	117	111	101	93	86	102	119	125	126	128	127	127	126	122	0	7 48	143	15 15	84	59
29	✓			125	127	128	128	130	130	134	142	145	142	140	130	122	116	114	112	113	122	125	128	126	126	127	127	127	0	8 20	148	15 40	110	38
30				126	127	127	129	130	131	132	144	153	154	150	145	142	139	132	122	115	119	123	127	128	128	128	128	132	0	9 00	156	16 40	113	43
31	✓			127	127	128	130	132	131	131	136	138	140	143	137	137	139	134	123	126	126	129	130	130	130	130	130	132	0	10 30	144	15 40	120	24
MEANS ALL DAYS				126	127	127	129	130	130	130	136	137	136	135	129	125	123	123	122	123	126	128	129	129	128	127	127	128						29
MEANS TEN DAYS *				128	128	129	130	131	130	130	136	137	134	133	128	124	122	122	119	121	125	128	129	129	128	128	128	128						28
MEANS FIVE DAYS † (G. M. T.)				128	128	129	130	130	130	129	136	135	130	129	126	123	121	120	117	120	127	129 129	130 129	130	129	129	129	128						
MEANS FIVE DAYS ‡ (G. M. T.)				123	124	124	125	126	127	130	135	139	138	139	130	124	119	118	117	120	124	127	126	127	126	125	124	127						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 306

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1943

FEBRUARY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				129	128	128	130	131	130	130	132	132	130	136	139	136	136	135	133	128	122	124	128	128	128	129	129	130	0	11	02	141	17	20	120	21
2				128	128	129	129	129	128	126	130	130	133	143	153	162	154	144	136	132	131	132	131	130	130	131	130	135	0	12	41	164	6	08	125	39
3				127	126	128	128	129	129	127	131	134	141	145	146	144	138	132	122	118	127	132	132	131	129	129	127	131	0	11	31	148	16	22	116	32
4			✓	129	129	130	130	131	130	127	128	125	124	126	132	140	132	125	133	130	132	134	134	132	132	131	131	130	0	12	42	143	8	48	122	21
5				129	130	132	132	133	132	129	133	135	132	130	129	123	125	131	138	135	131	132	133	134	133	133	133	132	0	15	31	139	12	50	121	18
6				133	133	134	136	136	135	134	140	136	129	117	108	108	114	128	137	138	133	130	129	127	127	129	130	129	0	7	41	142	12	16	103	39
7	✓			131	133	131	132	134	135	133	137	136	126	123	127	127	129	126	131	135	134	135	133	131	130	130	130	131	0	7	40	138	10	01	121	17
8				130	131	131	132	133	133	132	133	133	129	125	115	109	108	109	124	137	138	133	134	131	129	129	130	128	0	16	52	139	14	08	105	34
9				130	131	132	132	135	138	140	150	154	149	141	133	126	129	129	128	128	129	133	130	129	129	129	129	134	0	8	16	156	12	38	125	31
10	✓	✓		129	130	130	131	132	132	129	128	125	121	125	128	128	125	123	115	114	121	126	130	130	130	128	126	126	0	5	28	133	16	08	112	21
11				125	124	126	130	132	133	132	143	146	142	141	142	133	127	126	122	120	122	127	130	132	131	132	132	131	0	8	08	147	16	48	118	29
12	✓	✓		132	132	132	132	133	133	132	140	150	153	151	150	149	147	143	140	135	130	129	131	134	133	128	130	137	0	9	20	154	23	02	126	28
13			✓	128	128	129	130	132	133	131	135	136	139	141	136	133	132	135	132	128	127	133	131	131	131	131	132	132	1	9	54	144	16	51	125	19
14	✓			131	131	131	131	133	131	131	131	130	132	127	128	130	129	130	130	130	130	129	129	129	129	130	129	130	0	4	23	134	10	38	125	9
15	✓	✓		128	129	129	130	130	130	127	129	129	133	136	132	128	130	125	119	115	119	123	124	126	127	127	128	127	0	10	13	138	16	38	113	25
16	✓			129	129	129	130	130	130	129	134	138	139	136	128	133	142	150	150	142	134	134	133	131	130	127	127	134	0	15	01	153	23	44	126	27
17			✓	125	125	129	131	131	132	133	145	148	144	131	128	134	144	153	148	142	136	134	130	128	127	127	127	135	1	14	28	156	0	21	123	33
18				127	128	128	129	129	129	126	124	115	110	105	107	110	113	112	112	113	116	122	123	123	125	125	126	120	0	4	12	131	10	43	104	27
19				127	127	126	125	127	128	126	125	122	123	132	137	140	150	153	144	134	128	126	126	126	126	126	126	130	1	14	08	155	9	22	121	34
20	✓			126	126	128	129	129	130	128	126	128	130	130	134	138	139	138	133	126	123	127	127	126	127	126	126	129	0	13	38	140	17	28	122	18
21	✓	✓		127	128	128	129	131	131	133	138	137	131	126	124	122	124	124	129	128	126	127	127	126	126	126	126	128	0	7	48	140	12	25	122	18
22	✓			127	127	127	129	130	128	130	138	146	153	151	147	148	154	153	142	128	123	124	127	127	127	127	127	135	0	13	48	158	17	21	121	37
23				126	127	128	128	130	130	126	124	123	123	121	119	118	118	118	118	119	124	128	128	128	127	125	127	124	1	4	58	132	14	10	114	18
24				127	127	127	128	130	131	132	141	140	136	134	126	119	120	117	117	118	122	126	127	127	127	127	128	127	1	7	48	145	15	08	116	29
25			✓	128	128	128	128	131	130	128	130	130	131	130	124	119	119	119	124	124	126	125	124	127	124	126	126	126	1	9	53	132	13	08	115	17
26			✓	127	129	128	130	130	133	133	136	135	134	128	123	126	131	133	134	133	132	128	127	129	130	129	129	130	1	7	03	137	12	01	121	16
27				131	130	130	131	133	133	133	140	143	146	146	148	148	148	140	136	131	132	132	130	130	129	129	128	136	0	11	46	150	23	37	127	23
28	✓	✓		128	128	128	129	131	131	131	129	125	119	119	117	118	120	120	119	117	120	125	126	127	128	129	128	125	0	5	53	132	16	14	116	16
29																																		
30																																		
31																																		
MEANS ALL DAYS				128	129	129	130	131	131	130	134	134	133	132	131	130	131	131	130	128	127	129	129	129	129	128	128	130								25
MEANS TEN DAYS *				129	129	129	130	131	131	130	133	134	134	132	132	132	134	133	131	127	126	128	129	129	129	128	128	130								22
MEANS FIVE DAYS † (G. M. T.)				129	129	129	130	131	131	130	133	133	131	131	130	129	129	127	124	122	123	130 126	129 128	129	129	129	129	129							
MEANS FIVE DAYS ‡ (G. M. T.)				127	128	129	130	131	132	130	135	135	134	131	129	130	132	133	134	131	131	131	129	130	129	127	128	131								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 307

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1943

MARCH 1943

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			129	129	129	130	131	132	134	139	137	136	137	145	152	155	144	135	130	129	130	130	130	130	130	128	135	0	13	14	23	45	126	33
2				128	127	126	127	130	130	133	144	148	145	139	133	132	132	128	124	120	123	130	133	132	133	133	133	132	0	8	08	16	51	119	30
3				132	132	131	130	130	134	132	131	135	132	128	124	120	124	125	122	121	124	129	133	131	130	130	131	129	0	8	18	12	01	119	18
4				131	130	131	132	131	134	137	147	149	145	139	137	138	140	138	129	124	126	130	130	131	131	131	132	134	1	8	48	16	12	121	30
5				132	134	132	131	132	132	130	132	132	130	127	126	123	132	129	125	126	127	128	129	129	129	128	128	129	0	1	48	12	09	121	14
6				129	128	129	130	130	130	131	131	132	131	130	123	122	126	129	126	123	125	129	130	129	130	129	130	128	0	8	25	11	58	120	16
7	✓			131	131	131	132	132	131	132	137	138	135	131	127	123	127	128	128	126	126	127	129	128	130	128	129	130	0	8	18	12	24	121	19
8				130	131	131	132	133	132	133	142	149	148	148	144	137	134	136	130	126	128	130	130	131	129	129	130	134	0	8	38	16	08	125	26
9				130	130	131	131	134	133	131	131	128	121	118	118	122	125	125	124	124	124	124	125	129	130	131	132	127	0	4	53	11	38	116	20
10	✓	✓		132	133	133	135	136	136	136	142	148	142	140	143	141	138	141	147	143	138	133	131	130	127	127	127	137	0	8	24	21	51	126	24
11				126	125	126	126	127	127	126	131	133	128	126	125	128	122	118	121	120	125	127	126	125	125	126	128	126	1	8	34	14	20	112	24
12				129	129	130	130	130	129	130	137	140	138	135	142	142	136	127	123	123	125	125	126	126	126	128	130	131	1	11	53	16	48	119	25
13	✓	✓		131	129	130	130	132	133	135	135	130	127	125	126	133	135	130	125	122	120	124	127	127	128	126	126	129	0	13	01	17	24	119	18
14				128	129	129	131	133	133	131	130	125	122	125	129	128	130	129	127	124	123	124	127	128	128	129	128	128	0	5	18	17	18	120	15
15	✓	✓		129	130	131	132	132	132	131	128	121	121	122	116	120	127	128	128	125	125	127	130	129	131	131	129	127	0	4	42	11	04	114	19
16			✓	127	126	130	130	132	136	135	139	139	130	124	117	110	102	98	101	107	111	119	123	126	127	125	127	123	1	7	42	14	20	96	46
17				127	127	127	129	129	129	130	129	126	126	121	115	110	113	115	114	114	118	121	123	124	124	125	126	123	0	6	41	12	38	109	23
18	✓			127	128	128	129	129	129	133	136	135	135	136	135	132	128	123	117	115	118	123	125	125	126	126	125	128	0	10	20	16	18	114	23
19				126	126	128	129	129	130	130	130	126	123	121	122	122	127	127	121	119	125	131	131	129	131	129	128	127	1	7	06	16	10	115	17
20			✓	131	132	132	133	135	134	139	137	126	114	105	102	99	99	105	111	113	117	122	126	126	126	128	128	122	1	7	00	13	25	96	44
21				128	128	129	130	131	132	137	145	145	137	118	106	106	111	115	119	123	127	129	129	128	128	128	127	126	0	7	58	11	48	102	46
22				127	128	129	130	132	132	135	135	128	119	106	102	108	110	110	116	122	129	128	126	127	131	128	128	124	1	6	55	11	08	99	38
23			✓	129	130	131	132	131	133	136	139	136	131	124	121	121	115	113	118	125	129	129	128	130	131	131	131	128	1	7	12	13	58	112	28
24				132	134	132	132	133	133	135	139	141	137	132	132	134	135	132	130	130	130	130	131	131	131	130	130	133	0	8	34	16	40	128	15
25	✓	✓		132	132	133	134	135	135	140	145	150	149	148	148	148	146	139	139	139	136	131	131	132	132	133	133	138	0	8	33	18	38	129	22
26	✓			133	133	134	134	136	136	136	138	134	128	126	127	127	125	124	121	122	125	131	133	132	133	133	133	131	0	7	58	15	08	120	19
27	✓			134	133	134	135	135	137	139	140	133	123	113	108	104	102	104	114	123	128	133	133	133	133	134	133	127	0	7	08	13	23	100	43
28	✓	✓		133	133	134	134	136	136	135	136	133	127	125	121	118	114	111	112	119	124	132	132	133	133	133	133	128	0	7	16	14	47	107	30
29			✓	133	134	134	135	136	135	133	133	131	124	114	120	118	120	110	105	110	116	124	124	126	130	131	133	125	2	4	27	15	07	99	38
30			✓	132	134	134	134	134	135	137	143	145	150	139	134	128	120	115	115	119	122	126	128	129	128	129	130	131	1	9	30	14	53	112	40
31				130	131	131	132	133	133	130	122	118	114	111	115	115	120	123	124	120	122	127	130	131	131	128	131	125	1	6	10	10	51	107	29
MEANS ALL DAYS				130	130	131	131	132	133	134	136	135	131	127	125	125	125	123	122	122	125	128	129	129	129	129	130	129							27
MEANS TEN DAYS ✱				131	131	132	132	133	134	135	138	136	132	130	130	130	130	127	127	126	127	129	130	130	130	130	130	131							25
MEANS FIVE DAYS † (G. M. T.)				131	131	132	133	134	134	135	137	136	133	132	131	132	132	130	130	130	129	127 129	128 130	129	130	130	131	132							
MEANS FIVE DAYS ‡ (G. M. T.)				130	131	132	133	134	135	136	138	135	130	121	119	115	111	108	110	115	119	124	129	129	131	130	130	126							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 308

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1943 — APRIL 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				132	132	133	134	135	134	135	131	125	124	126	131	133	131	125	125	127	128	130	129	130	132	132	132	130	0	6	20	137	14	50	121	16
2				133	136	135	134	135	131	134	129	125	122	122	128	131	133	131	125	125	128	131	130	129	131	132	131	130	0	1	30	138	9	55	120	18
3			✓	133	134	134	134	135	137	137	133	128	125	122	121	121	122	129	136	135	131	130	131	132	132	132	130	131	1	5	50	140	10	34	119	21
4				132	133	134	134	134	134	132	130	126	121	118	116	116	119	127	132	129	127	129	126	128	133	130	132	128	1	5	06	136	12	50	114	22
5				132	133	134	133	132	132	132	135	135	132	129	117	132	146	148	145	141	136	133	131	131	134	132	134	134	1	14	17	151	11	23	114	37
6			✓	135	134	134	134	134	135	137	145	140	132	123	119	118	123	126	127	130	131	129	128	130	128	128	129	130	0	7	27	148	12	12	116	32
7				131	133	134	135	135	135	140	149	148	146	143	142	142	137	132	129	130	130	130	129	129	130	132	132	136	0	7	40	153	15	45	128	25
8	✓			131	133	132	132	134	134	135	139	136	130	122	120	118	114	111	111	115	120	124	125	126	127	128	128	126	0	7	38	140	14	44	109	31
9	✓	✓		128	129	129	130	131	131	133	133	131	128	124	122	120	115	110	108	110	118	124	127	129	130	130	129	125	0	7	40	135	15	10	105	30
10			✓	128	128	131	132	133	134	134	142	147	140	132	127	127	123	111	111	118	124	122	124	127	124	125	124	128	0	8	00	149	15	10	109	40
11			✓	125	128	129	132	132	129	132	136	134	133	126	124	124	126	121	119	123	127	127	127	128	129	127	127	128	1	7	12	137	15	20	116	21
12	✓			128	127	129	129	129	130	132	138	138	136	135	134	136	137	132	127	126	127	127	127	129	130	129	129	131	0	8	00	139	16	10	125	14
13	✓	✓		131	130	131	131	131	132	134	136	134	132	134	134	134	139	136	124	121	125	128	128	129	129	129	129	131	0	13	42	141	16	10	118	23
14	✓	✓		130	131	131	132	133	133	131	128	127	127	124	127	132	133	127	119	121	124	127	126	129	129	129	130	128	0	13	26	135	15	55	118	17
15				132	132	134	134	134	135	136	138	138	134	129	125	130	123	115	113	117	122	126	128	128	127	130	129	129	1	8	20	140	15	00	110	30
16				129	129	128	131	133	134	133	130	124	115	111	107	108	112	114	116	118	123	126	126	128	129	130	131	124	0	5	28	136	11	37	104	32
17				130	131	131	131	132	132	136	138	132	128	128	130	133	137	137	135	135	131	131	130	130	131	131	130	132	0	7	24	140	9	43	125	15
18	✓			130	132	133	134	135	135	133	132	129	125	126	126	127	130	131	127	124	125	128	130	130	131	131	130	130	0	4	53	136	16	30	123	13
19	✓			132	133	134	134	135	135	135	132	124	121	119	116	117	124	125	121	123	125	129	128	129	130	131	131	128	0	5	50	136	12	00	114	22
20				131	132	133	134	135	137	136	137	138	133	130	128	128	126	125	124	124	126	128	126	128	129	128	130	130	0	7	50	140	16	13	122	18
21				133	131	133	135	135	137	141	139	135	130	133	130	128	125	122	125	125	126	129	128	129	130	129	129	131	1	6	50	143	14	06	119	24
22				130	130	132	133	135	135	140	147	146	142	138	130	124	121	120	119	121	126	129	129	129	129	129	130	131	0	8	10	149	15	20	119	30
23	✓	✓		132	134	134	135	137	136	136	136	135	127	121	119	117	116	116	116	119	127	127	128	128	130	130	130	128	0	4	20	137	15	40	115	22
24	✓	✓		131	132	133	133	134	133	133	134	132	129	124	122	122	118	118	120	121	125	127	127	128	129	129	129	128	0	6	45	135	14	00	114	21
25				130	131	133	134	134	134	136	140	137	127	121	113	104	101	105	110	118	124	125	125	126	128	126	128	125	0	7	53	142	13	30	99	43
26			✓	132	135	133	134	135	134	138	151	148	136	127	119	113	113	113	120	124	125	127	129	130	131	132	132	130	1	7	46	152	14	20	111	41
27	✓			133	133	133	133	133	134	134	135	133	136	137	138	132	130	133	137	134	128	126	127	128	129	129	130	132	0	11	10	139	18	17	125	14
28				129	130	131	132	132	131	131	131	125	117	118	121	124	120	119	119	119	124	124	126	127	129	130	129	126	0	2	50	132	9	49	114	18
29				130	131	130	130	133	134	133	130	125	121	118	112	107	109	114	118	122	126	128	130	131	131	129	131	125	0	5	55	137	12	55	105	32
30				131	133	131	133	134	138	135	133	131	126	123	124	127	126	118	120	121	123	128	130	131	132	130	129	129	1	5	10	141	14	35	117	24
31																																				
MEANS ALL DAYS				131	132	132	133	134	134	135	136	134	129	126	124	124	124	123	123	124	126	128	128	129	130	130	130	129	DESIGNATIONS AND REMARKS							25
MEANS TEN DAYS *				131	131	132	132	133	133	134	134	132	129	127	126	126	126	124	121	121	124	127	128	128	129	130	130	129	* = TEN LEAST DISTURBED DAYS							21
MEANS FIVE DAYS † (G. M. T.)				130	131	132	132	133	133	133	133	132	129	125	125	125	124	121	117	118	124	127 127	127 128	128	129	129	129	128	† = FIVE INTERNATIONAL QUIET DAYS							
MEANS FIVE DAYS ‡ (G. M. T.)				131	132	132	133	134	134	136	141	139	133	126	122	121	121	120	123	126	128	127	127	128	129	129	129	129	‡ = FIVE INTERNATIONAL DISTURBED DAYS							

[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 309

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1943 — MAY 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	131	132	134	135	140	141	139	132	121	113	110	105	101	101	112	129	129	127	129	131	132	133	133	133	126	1	4	14	144	13 20	99	45
2				134	134	134	135	138	135	135	129	122	116	111	112	116	119	123	123	124	126	127	129	130	131	131	131	127	0	4	28	139	10 55	109	30
3				133	133	133	134	134	135	135	132	124	116	112	114	119	129	134	131	130	128	130	133	133	133	131	130	129	0	6	34	137	10 44	111	26
4				131	131	133	132	132	133	135	132	126	118	112	110	107	105	112	125	126	127	129	129	130	131	131	132	125	0	6	20	136	13 30	102	34
5				133	133	132	133	133	133	133	133	127	121	121	121	115	113	124	129	128	130	132	131	132	133	133	133	129	0	1	57	135	13 07	109	26
6	✓			134	134	134	136	136	136	135	129	120	112	111	110	108	110	119	127	131	131	130	130	130	132	131	132	127	0	3	57	137	13 10	107	30
7	✓	✓		134	135	135	135	135	136	137	134	126	121	118	116	114	110	112	116	119	125	128	131	132	133	134	134	127	0	6	30	138	14 10	109	29
8	✓	✓		135	135	136	136	137	137	139	138	133	128	126	124	124	122	119	118	119	126	131	131	132	132	133	134	130	0	6	40	140	15 43	117	23
9	✓	✓		136	136	137	136	136	137	138	142	138	134	134	137	141	139	140	127	123	128	131	132	134	135	135	136	135	0	7	49	143	16 14	121	22
10	✓			136	137	137	137	138	138	139	133	127	124	124	121	119	127	134	130	123	127	130	131	132	133	134	135	131	0	6	21	140	12 10	117	23
11	✓			137	136	136	136	136	136	136	134	138	136	135	133	137	135	135	126	126	132	133	134	135	134	133	133	134	0	8	23	139	15 58	124	15
12				135	136	137	138	137	139	139	136	128	128	129	130	126	123	120	117	123	127	131	132	135	135	136	136	131	0	6	22	141	15 50	116	25
13				136	135	134	137	138	138	142	149	148	136	132	129	134	138	139	134	134	133	133	135	135	135	134	134	136	0	7	54	151	11 18	126	25
14				136	136	136	136	136	138	139	138	136	131	128	126	122	125	131	128	128	132	134	135	130	133	133	133	132	0	6	55	141	12 50	120	21
15			✓	134	136	136	136	138	140	143	141	138	131	126	122	126	130	130	128	127	130	130	132	133	135	135	135	133	1	7	00	145	11 50	121	24
16				135	135	137	138	138	138	139	139	139	135	133	134	132	136	136	134	133	133	133	131	133	133	133	136	135	0	6	29	141	12 39	129	12
17				136	134	134	134	137	138	139	136	131	125	120	121	122	120	112	111	114	123	129	129	128	131	129	130	128	0	6	50	140	14 57	108	32
18			✓	129	131	135	137	137	137	140	134	126	121	115	115	108	108	112	119	123	127	130	131	130	132	131	130	127	1	6	26	142	13 03	107	35
19				131	132	133	133	135	135	138	139	135	129	125	128	132	133	130	124	123	126	128	129	131	131	131	131	131	0	7	30	140	16 00	117	23
20	✓			131	132	132	132	132	133	134	134	131	127	124	122	120	118	122	125	125	127	127	128	129	131	131	130	128	0	7	02	135	13 11	117	18
21	✓	✓		131	131	131	132	133	133	136	139	137	131	121	114	114	110	107	105	112	120	124	127	128	128	128	128	125	0	7	20	140	15 10	103	37
22	✓	✓		128	129	130	130	130	130	131	131	129	127	126	123	124	124	125	126	127	127	126	126	127	128	128	127	127	0	7	14	132	11 20	120	12
23				127	128	129	130	130	130	133	135	130	124	122	118	118	116	118	111	113	119	126	126	125	126	127	130	125	0	7	54	136	15 50	109	27
24			✓	130	131	131	131	130	130	132	135	134	128	122	115	117	110	105	105	116	128	127	127	130	129	130	131	125	0	7	56	137	15 33	103	34
25				130	131	134	129	131	133	133	131	124	122	116	115	116	110	110	112	118	129	127	125	125	126	128	128	124	0	2	18	136	14 10	109	27
26				130	129	129	130	130	130	132	132	129	125	122	117	115	114	116	120	120	123	124	127	128	131	133	130	126	0	22	50	135	13 50	112	23
27				131	130	131	132	132	131	134	135	134	131	127	121	119	116	120	122	127	127	130	132	132	129	130	134	129	0	7	00	137	13 28	114	23
28			✓	133	131	131	133	133	134	135	142	147	147	140	135	128	119	118	116	115	121	125	126	131	131	133	129	131	1	9	18	150	16 27	113	37
29				132	133	133	133	135	135	134	132	129	129	127	122	120	119	117	120	120	124	129	131	131	131	132	132	128	0	4	35	137	14 10	116	21
30				133	134	135	133	133	134	135	133	127	127	133	139	137	134	131	127	124	126	131	132	133	133	133	133	132	0	11	46	140	16 47	123	17
31	✓			133	132	133	133	133	134	135	135	130	126	122	123	123	118	122	123	121	128	130	132	133	133	133	132	129	0	6	50	138	13 17	117	21
MEANS ALL DAYS				133	133	134	134	135	135	136	135	131	126	123	122	121	120	122	122	123	127	129	130	131	132	132	132	129							26
MEANS TEN DAYS ✻				134	134	134	134	135	135	136	135	131	127	124	122	122	121	124	122	123	127	129	130	131	132	132	132	129							23
MEANS FIVE DAYS † (G. M. T.)				133	133	134	134	134	135	136	137	133	128	125	123	123	121	121	118	120	125	128 128	129 129	130	131	131	132	129							
MEANS FIVE DAYS ‡ (G. M. T.)				131	132	133	134	136	136	138	137	133	128	123	118	116	114	115	119	122	127	128	130	129	130	130	131	128							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 310

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1943

JUNE 1943

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				133	133	134	134	134	135	135	135	133	131	129	127	126	124	122	123	126	130	132	133	133	133	133	133	131	0	7	10	136	14	42	121	15
2				133	134	135	135	135	135	137	135	131	120	115	113	113	118	119	116	119	126	130	131	131	133	132	131	127	0	6	52	139	12	24	111	28
3	✓			132	132	133	133	133	133	135	135	130	122	120	129	136	139	128	121	120	123	125	126	128	128	128	129	129	0	13	43	141	16	02	117	24
4	✓	✓		129	129	130	130	130	129	131	130	127	120	119	118	110	108	114	118	122	125	126	127	128	128	128	129	124	0	7	09	132	13	00	106	26
5	✓			130	130	131	131	131	132	133	133	127	118	111	109	110	112	109	111	119	125	126	126	128	129	132	130	124	0	6	30	134	15	03	106	28
6				131	132	131	130	131	132	135	136	133	128	121	122	128	124	119	121	124	126	126	127	127	128	128	128	128	0	6	43	137	14	34	118	19
7				129	130	130	130	130	132	134	138	140	139	130	125	125	117	116	115	118	125	125	126	128	129	130	126	128	0	8	16	143	15	40	113	30
8			✓	125	126	127	129	129	134	137	137	131	122	115	112	111	118	116	113	118	122	125	126	128	128	128	126	124	1	6	42	139	12	10	107	32
9			✓	125	127	129	130	130	131	130	133	130	125	119	116	117	117	114	110	111	118	126	129	129	129	128	126	124	1	7	23	135	15	54	108	27
10				126	127	129	130	129	130	134	138	137	137	133	131	127	121	117	117	119	119	124	126	127	128	128	128	128	0	7	13	139	14	24	115	24
11				128	129	129	129	129	130	132	135	134	131	128	129	124	121	119	117	118	123	126	127	128	129	129	129	127	0	7	57	137	15	37	115	22
12				129	128	128	130	129	129	132	134	136	133	131	130	128	129	126	125	122	124	128	129	129	128	129	132	129	0	8	10	137	16	53	119	18
13				132	132	132	133	133	133	135	134	131	126	122	125	127	129	129	125	122	127	129	129	129	130	132	132	130	0	6	12	136	16	28	120	16
14				133	130	131	133	133	134	136	135	133	130	130	130	130	126	120	120	121	127	130	131	132	132	132	133	130	0	6	24	138	15	10	118	20
15	✓			132	133	133	133	133	133	136	133	125	119	113	113	116	115	116	118	123	128	129	130	132	133	133	133	127	0	6	45	139	11	50	112	27
16	✓	✓		132	132	132	134	134	133	135	137	136	132	131	132	133	128	122	121	127	130	130	131	132	132	134	134	131	0	7	22	138	15	32	119	19
17	✓	✓		134	134	134	134	134	135	139	135	126	118	113	119	123	122	123	127	128	128	130	132	133	133	135	135	129	0	6	30	140	10	24	111	29
18	✓	✓		135	136	136	136	137	138	141	138	132	121	119	123	128	128	127	127	127	132	134	134	135	135	135	135	132	0	6	20	143	10	23	117	26
19				136	136	137	138	139	140	141	136	125	119	116	113	114	112	107	113	119	129	130	131	133	135	136	136	128	0	6	30	144	14	17	105	39
20				137	137	138	139	139	139	139	138	130	122	119	122	120	112	116	124	127	132	134	134	136	138	139	138	131	1	4	25	142	13	50	108	34
21				137	137	138	138	138	140	141	143	142	140	133	127	122	119	122	122	122	127	132	135	135	136	137	135	133	1	8	10	145	13	26	117	28
22				134	135	134	136	136	137	139	142	140	134	132	131	129	123	126	131	131	131	132	134	134	135	134	133	133	0	7	43	144	13	38	121	23
23			✓	136	135	135	136	136	135	136	143	146	142	136	135	133	128	125	124	127	128	131	133	135	135	134	135	134	1	8	57	149	15	50	121	28
24			✓	134	134	135	135	134	135	137	135	128	123	119	115	111	106	102	107	115	121	126	127	127	129	131	130	125	0	7	03	139	14	17	101	38
25				129	129	130	129	129	129	130	132	136	141	142	137	136	129	124	118	119	122	124	126	127	127	127	127	129	0	10	00	144	15	37	117	27
26	✓			127	127	127	127	127	127	128	126	123	124	123	119	124	126	123	117	116	120	124	125	126	127	127	127	124	0	6	30	130	16	16	114	16
27				127	127	126	127	127	128	130	130	127	123	120	126	135	136	124	116	116	116	124	127	127	128	128	127	126	0	13	00	139	16	16	114	25
28			✓	127	128	127	126	127	127	131	132	127	123	125	127	123	113	107	112	120	123	123	124	125	125	125	124	124	1	7	34	135	14	30	105	30
29	✓			123	125	125	126	127	127	130	132	127	123	114	114	117	119	111	109	113	117	120	123	124	125	125	124	122	0	7	06	134	15	00	107	27
30	✓	✓		126	126	127	127	127	127	127	128	125	123	116	113	114	116	116	115	116	120	122	123	124	124	124	124	122	0	7	20	129	11	45	112	17
31																																				
MEANS ALL DAYS				131	131	131	132	132	133	135	135	132	127	123	123	123	121	119	118	121	125	127	129	130	130	131	130	128								25
MEANS TEN DAYS #				130	130	131	131	131	131	134	133	128	122	118	119	121	121	119	118	121	125	127	128	129	129	130	130	127								24
MEANS FIVE DAYS (G. M. T.) †				131	131	132	132	132	132	135	134	129	123	120	121	122	120	120	122	124	127	127 128	128 129	130	130	131	131	128								
MEANS FIVE DAYS (G. M. T.) ‡				129	130	131	131	131	132	134	136	132	127	123	121	119	116	113	113	118	122	126	129	130	131	131	129	127								

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 311

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1943 — JULY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		124	125	124	126	126	127	132	132	126	120	118	117	115	114	113	116	119	121	121	122	123	123	124	125	122	0	6 59	133	14 53	111	22
2	✓			125	125	126	126	127	128	129	128	124	117	118	121	125	126	126	122	117	117	121	125	126	125	124	125	124	0	6 54	131	16 50	116	15
3				122	123	126	129	128	129	131	130	123	115	114	111	109	111	113	113	115	115	122	123	124	125	125	125	121	0	7 03	134	12 50	107	27
4			✓	126	126	126	126	128	126	132	128	130	130	128	123	127	126	119	121	125	124	122	123	122	123	125	125	125	1	6 43	135	14 38	115	20
5			✓	124	124	124	125	125	126	129	129	123	118	114	116	115	114	110	114	114	115	122	125	124	125	121	125	121	1	7 22	132	14 19	108	24
6			✓	126	124	125	126	126	130	127	129	127	123	116	108	106	105	105	109	112	120	121	123	126	126	127	127	121	1	5 20	131	14 10	103	28
7				127	126	127	128	128	129	134	145	151	148	138	128	127	123	117	116	121	124	125	126	127	129	129	129	129	0	8 33	153	14 50	114	39
8			✓	127	127	127	128	127	127	131	143	143	136	134	133	130	123	117	117	119	123	126	129	130	129	128	130	128	1	8 01	145	14 34	115	30
9			✓	130	130	126	127	129	130	135	140	138	130	122	119	120	118	120	116	118	124	127	127	128	129	127	128	127	1	8 03	142	15 34	114	28
10				130	131	131	130	131	133	135	138	136	135	136	125	111	110	111	115	120	127	129	129	130	131	131	130	128	0	7 39	139	12 40	109	30
11				132	129	129	131	130	132	135	135	128	122	119	123	131	132	126	123	123	125	126	127	131	130	130	130	128	0	7 10	137	10 48	118	19
12				131	130	131	131	132	131	134	136	134	126	117	116	118	116	115	118	121	126	127	127	127	129	130	129	126	0	7 00	138	14 20	113	25
13				128	130	130	130	130	132	135	133	124	111	105	111	118	116	111	118	127	128	127	127	129	129	129	129	124	0	6 40	136	10 20	103	33
14	✓	✓		129	129	129	129	129	129	130	132	132	133	136	140	140	137	130	128	128	125	124	125	127	127	128	128	130	0	11 50	143	18 05	123	20
15				128	128	129	129	129	130	132	129	128	128	122	118	120	119	118	119	121	125	126	125	126	126	125	125	125	0	6 23	133	11 17	115	18
16				125	126	126	127	127	128	131	130	122	110	107	108	105	112	114	114	118	122	124	122	122	122	123	124	120	0	6 56	133	12 47	104	29
17				125	125	126	127	127	128	129	130	126	124	127	130	125	116	112	117	116	118	121	124	124	124	124	124	124	0	11 30	132	14 05	110	22
18				126	125	125	127	129	128	130	131	124	116	108	107	108	103	106	113	121	122	121	123	124	125	124	122	120	1	6 56	133	13 57	97	36
19				123	124	123	122	123	124	127	128	121	117	115	115	108	104	109	116	117	118	120	121	122	123	122	122	119	0	7 10	131	13 24	102	29
20				124	125	124	124	125	125	127	133	130	120	114	123	125	109	101	106	111	117	120	120	120	123	123	123	120	0	8 00	135	14 10	100	35
21				123	122	124	124	124	125	125	126	123	116	112	111	110	108	107	108	109	113	117	120	121	122	121	120	118	0	7 09	127	14 57	105	22
22				121	122	122	123	124	125	124	123	118	111	109	106	104	97	97	104	110	116	119	122	122	122	122	121	116	0	5 19	126	13 59	93	33
23	✓			122	123	122	123	123	124	126	127	125	120	115	115	121	117	111	113	113	115	119	120	121	122	123	123	120	0	7 22	128	14 54	110	18
24	✓	✓		121	122	122	123	124	124	125	124	122	120	117	108	101	94	98	104	108	116	118	120	120	120	121	122	116	0	6 30	126	13 50	93	33
25	✓	✓		121	121	122	122	123	124	126	128	126	121	117	116	109	97	104	114	117	117	120	121	121	122	122	122	119	0	7 30	129	13 20	95	34
26	✓			122	122	122	123	123	124	125	122	116	110	110	115	104	103	116	127	120	117	119	117	120	119	120	120	118	0	15 31	129	13 05	98	31
27	✓			121	122	124	124	124	125	127	125	119	114	121	128	121	105	119	125	122	120	120	121	122	122	122	122	121	0	11 22	129	13 27	101	28
28	✓			122	121	123	124	125	125	127	123	119	113	117	123	121	109	105	115	117	117	117	119	120	120	120	122	119	0	6 19	129	14 10	104	25
29	✓	✓		123	123	123	124	124	124	127	122	118	110	106	112	116	112	108	110	120	122	121	122	122	121	122	122	119	0	6 20	129	10 34	105	24
30				120	122	124	124	126	125	124	124	117	105	102	107	103	96	103	113	118	119	118	117	119	120	120	121	116	1	5 07	129	13 47	93	36
31				123	123	123	124	124	125	128	125	120	111	105	112	113	105	105	113	116	118	118	120	121	121	121	122	118	0	6 36	131	14 13	98	33
MEANS ALL DAYS				125	125	125	126	126	127	129	130	126	120	117	118	116	112	112	115	118	120	122	123	124	124	124	125	122						27
MEANS TEN DAYS *				123	123	124	124	125	125	127	126	123	118	118	120	117	111	113	117	118	119	120	121	122	122	123	123	121						25
MEANS FIVE DAYS † (G. M. T.)				124	124	124	125	125	126	128	128	125	121	119	119	116	111	111	114	118	120	121 121	122 122	123	123	123	124	121						
MEANS FIVE DAYS ‡ (G. M. T.)				127	126	126	126	127	128	131	134	132	127	123	120	120	117	114	115	118	121	124	125	125	126	126	127	124						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[] = APPROXIMATE, MAGNETIC STORM

() = INTERPOLATED

⌈⌉ = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 312

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1943 — AUGUST 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			121	121	121	123	124	125	129	131	126	116	111	110	106	106	106	109	114	119	120	119	121	122	121	121	118	0	7	44	133	12 11	104	29
2				120	122	123	123	125	125	127	130	122	103	96	98	96	96	106	113	112	114	118	118	120	118	121	118	115	0	7	16	131	13 00	91	40
3				121	121	123	123	123	124	126	127	118	110	115	103	99	101	110	119	118	118	120	120	122	122	120	122	118	1	7	06	128	12 40	98	30
4				122	122	121	123	124	124	126	130	131	126	124	119	108	99	113	118	121	119	119	120	121	118	122	123	121	1	8	52	133	13 16	94	39
5				121	122	122	122	123	124	126	126	120	107	97	96	99	99	104	108	114	119	119	119	120	119	120	120	115	0	7	18	128	11 00	95	33
6	✓			120	120	121	122	122	123	126	132	131	125	118	112	111	99	96	103	111	118	119	120	120	121	121	121	118	0	7	58	134	14 06	94	40
7				120	120	122	124	126	129	134	151	156	149	137	117	108	106	103	105	109	114	117	119	120	121	121	120	123	0	8	11	157	14 20	102	55
8			✓	119	123	122	122	125	126	126	130	120	112	107	98	86	89	96	105	108	115	117	116	116	120	122	120	114	1	7	40	133	12 48	84	49
9				121	120	122	123	125	127	132	133	129	125	121	121	119	115	114	112	113	117	118	118	120	121	120	120	121	0	6	50	134	16 04	111	23
10	✓	✓		122	124	123	123	125	125	126	124	121	118	116	116	117	116	113	107	108	113	117	118	119	120	120	121	119	0	6	11	130	16 00	104	26
11	✓	✓		121	122	122	123	124	125	124	122	124	129	131	129	127	126	125	120	118	119	119	119	120	121	123	124	123	0	10	37	132	17 05	117	15
12	✓			123	123	123	125	126	127	127	122	120	118	112	100	91	92	99	106	111	117	119	122	122	123	122	120	116	0	6	13	130	13 07	89	41
13			✓	122	119	123	129	131	129	127	122	115	107	99	97	99	97	102	104	109	120	123	123	121	123	124	123	116	1	4	55	136	13 26	94	42
14				124	126	125	126	127	127	127	129	129	128	126	122	125	122	123	119	117	118	120	123	125	124	123	125	124	0	7	40	131	17 23	115	16
15				125	124	125	126	126	127	127	127	122	118	115	115	119	118	112	115	114	116	120	121	122	122	122	122	121	0	6	25	129	14 31	110	19
16				124	127	124	124	127	129	127	120	115	105	96	92	93	98	104	110	116	119	122	122	122	121	121	124	116	1	5	40	133	12 14	91	42
17				122	122	123	124	125	127	130	130	123	115	107	108	112	115	117	122	126	128	125	124	124	124	126	125	122	0	7	00	133	10 34	104	29
18				124	126	12[illegible]	128	133	136	135	133	124	113	102	95	93	95	102	107	111	117	121	121	123	124	124	124	118	1	5	47	139	12 57	91	48
19				124	124	126	127	127	131	135	144	153	152	145	139	126	118	114	121	123	127	126	122	126	126	128	127	130	1	8	40	157	14 10	111	46
20			✓	124	127	126	130	131	135	134	131	129	127	124	116	105	103	112	115	116	121	124	124	123	125	129	127	123	1	4	34	138	13 05	100	38
21	✓			130	126	129	131	131	132	133	135	133	127	121	120	117	117	116	111	112	118	124	125	126	127	128	128	125	0	7	11	136	15 36	109	27
22	✓	✓		127	127	128	128	128	128	129	131	133	132	130	126	122	119	123	119	117	120	123	125	125	125	127	127	126	0	8	30	134	16 02	115	19
23	✓	✓		127	127	127	128	129	129	129	126	119	114	117	123	121	123	128	126	121	123	124	124	126	129	129	130	125	0	23	30	131	9 22	112	19
24				131	125	130	131	131	131	129	126	121	118	121	118	115	118	123	121	122	124	125	125	126	126	126	126	125	1	0	28	136	12 55	112	24
25				130	130	129	130	130	130	128	126	122	116	116	120	117	121	124	126	126	125	127	127	131	132	131	131	126	0	1	03	134	10 51	115	19
26	✓			129	131	131	130	132	133	134	131	128	120	116	118	117	114	116	124	127	128	127	128	128	129	130	128	126	0	6	06	135	14 00	112	23
27	✓	✓		129	129	130	130	131	132	132	129	126	123	121	121	122	123	122	124	125	127	127	127	128	130	128	128	127	0	5	06	133	10 40	120	13
28				129	130	132	133	134	134	138	135	129	128	127	119	116	118	117	117	119	122	125	130	130	129	129	130	127	1	6	34	144	12 18	113	31
29				131	131	132	133	134	135	138	134	127	122	117	116	116	117	118	128	130	130	129	129	129	133	124	126	127	1	6	39	140	12 04	114	26
30			✓	130	132	130	131	133	133	139	149	142	131	125	125	122	122	122	123	127	132	128	129	122	129	119	125	129	1	7	34	153	22 45	117	36
31			✓	123	135	131	141	138	135	137	133	123	107	98	95	99	109	112	113	123	127	128	129	125	129	129	130	123	2	3	23	145	11 52	91	54
MEANS ALL DAYS				124	125	126	127	128	129	130	131	127	121	116	113	110	110	113	115	117	121	122	123	123	124	124	124	122							32
MEANS TEN DAYS *				125	125	126	126	127	128	129	128	126	122	119	118	115	114	114	115	116	120	122	123	124	125	125	125	122							25
MEANS FIVE DAYS † (G. M. T.)				125	126	126	126	127	128	128	126	125	123	123	123	122	121	122	119	118	120	122 122	123 123	124	124	125	125	124							
MEANS FIVE DAYS ‡ (G. M. T.)				124	127	126	131	132	132	133	133	126	117	111	106	102	104	109	112	117	123	124	124	124	126	123	124	121							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 313

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1943

SEPTEMBER 1943

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1				131	129	130	131	133	135	139	138	128	115	103	95	96	100	108	113	117	123	124	125	125	128	124	127	122	1	7 03	142	12 13	93	49
2				128	127	128	128	129	131	137	142	137	131	131	125	117	113	115	119	121	121	124	128	128	128	128	128	127	1	7 10	145	13 28	111	34
3			✓	126	126	128	128	131	130	134	134	130	126	127	122	118	117	111	111	115	120	129	129	130	131	130	130	126	1	6 43	136	15 20	109	27
4				130	131	131	131	133	131	135	138	135	134	130	128	129	131	134	134	133	131	130	131	130	130	130	129	132	1	7 14	140	11 09	127	13
5				131	131	131	133	134	134	131	133	127	123	121	115	109	107	110	114	118	123	128	130	131	131	131	131	125	0	4 30	135	13 43	105	30
6	✓			131	131	131	131	133	134	134	131	127	123	121	119	117	119	122	120	123	126	129	129	129	129	130	130	127	0	6 30	136	12 52	114	22
7	✓	✓		131	130	131	131	131	132	133	134	133	128	121	120	120	115	111	115	121	127	127	127	127	129	129	130	126	0	8 01	137	14 40	110	27
8				130	130	131	131	133	134	134	131	127	124	119	119	115	113	122	118	122	123	125	126	128	130	130	130	126	1	5 53	136	13 12	106	30
9				127	130	131	132	135	135	135	135	132	128	124	123	127	128	130	132	129	128	126	128	129	128	129	131	130	1	4 44	138	10 57	121	17
10				132	132	132	132	135	135	135	128	121	112	104	106	111	113	116	119	119	121	125	126	128	128	124	129	123	0	6 00	139	11 08	102	37
11				128	130	131	132	131	132	132	129	122	113	106	100	108	111	120	127	125	124	124	125	124	128	127	128	123	1	3 42	133	11 30	96	37
12				128	128	128	129	130	132	129	128	121	114	105	100	102	105	112	120	126	127	125	123	124	126	125	125	121	0	5 36	133	11 40	99	34
13				129	129	129	129	131	132	133	129	121	113	107	104	108	110	117	126	131	130	127	125	127	127	129	128	124	1	6 22	135	10 56	101	34
14				128	129	128	132	131	132	132	133	129	125	121	117	112	104	99	104	111	120	121	124	124	128	127	127	122	0	7 16	136	14 27	95	41
15	✓			128	130	130	130	130	132	133	135	132	127	125	124	124	120	116	120	121	126	124	125	127	127	128	129	127	0	7 30	136	14 10	115	21
16	✓	✓		129	129	129	130	131	131	131	129	124	120	113	115	117	115	116	119	123	125	127	126	125	125	125	128	124	0	6 20	132	10 53	109	23
17	✓			125	127	130	130	131	131	133	131	127	123	119	115	108	104	106	111	118	124	125	125	125	126	126	126	123	0	6 30	135	13 30	103	32
18	✓	✓		126	127	127	129	129	131	133	134	129	123	116	115	113	108	110	112	114	119	122	127	127	127	127	127	123	0	7 10	136	13 56	106	30
19	✓			128	127	127	128	129	129	133	135	136	139	139	139	138	133	124	122	123	125	125	126	127	127	126	126	130	0	10 53	142	15 50	120	22
20	✓	✓		125	125	127	127	129	129	126	121	115	110	111	117	119	119	115	112	112	115	122	124	123	123	126	126	121	0	5 03	131	9 37	106	25
21				125	127	127	127	128	129	132	140	140	135	135	134	130	121	114	116	116	120	123	124	124	124	125	125	127	1	8 20	144	14 24	111	33
22				124	127	128	128	128	128	128	131	130	128	127	132	135	129	120	116	116	119	123	125	125	126	128	126	126	1	12 33	138	16 40	114	24
23	✓			127	127	128	128	131	129	128	128	125	120	117	117	119	116	115	116	117	122	124	127	127	127	128	128	124	0	5 07	133	14 17	113	20
24	✓	✓		128	128	127	128	130	130	128	128	126	122	124	122	113	113	118	121	122	126	126	126	126	126	126	126	125	0	5 00	131	13 00	111	20
25				123	123	125	126	129	128	131	135	131	132	134	133	136	137	130	123	123	123	125	125	126	127	126	125	128	0	13 00	139	1 00	117	22
26			✓	124	124	127	129	131	131	133	132	124	115	128	130	134	131	127	123	121	123	125	124	125	124	124	124	126	1	12 28	136	9 18	111	25
27				127	130	130	131	131	131	132	133	130	129	132	128	121	115	120	128	129	128	126	128	124	124	128	127	128	1	6 47	136	13 51	110	26
28			✓	125	128	129	132	130	132	132	132	132	127	122	113	108	107	108	115	120	121	125	126	126	127	127	125	124	1	6 42	136	12 57	103	33
29			✓	125	128	128	126	130	134	136	135	125	113	107	100	101	107	116	124	125	128	128	128	127	123	128	125	123	1	6 35	139	11 53	97	42
30			✓	126	127	128	130	131	131	135	143	139	134	131	122	113	117	124	130	127	129	127	128	128	127	128	128	128	1	7 22	146	12 46	111	35
31																																		
MEANS ALL DAYS				128	128	129	130	131	132	133	133	128	124	121	118	117	116	117	119	121	124	125	126	127	127	127	127	125						29
MEANS TEN DAYS ✱				128	128	129	129	130	131	131	131	127	124	121	120	119	116	115	117	119	124	125	126	126	127	127	128	125						24
MEANS FIVE DAYS (G. M. T.) †				128	128	128	129	130	131	130	129	125	121	117	118	116	114	114	116	118	122	125 125	126 126	127	127	128	128	124						
MEANS FIVE DAYS (G. M. T.) ‡				125	127	128	129	131	132	134	135	130	123	123	117	115	116	117	121	122	124	127	127	126	126	127	126	125						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 314

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1943

OCTOBER 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	125	129	127	127	130	131	129	130	126	119	114	108	109	114	117	123	127	127	127	122	123	125	127	127	123	1	4	50	132	11 59	106	26
2			✓	126	126	126	127	128	128	132	130	118	111	111	109	102	107	112	112	117	119	123	118	119	122	123	124	120	1	7	08	134	12 38	100	34
3			✓	122	123	125	126	126	132	134	132	124	113	109	103	98	105	115	119	119	120	124	123	123	124	123	126	120	1	6	24	135	12 12	97	38
4				125	126	126	127	128	130	131	131	126	123	116	110	108	111	113	112	114	118	122	124	124	123	123	125	122	0	7	19	133	12 09	106	27
5	✓			125	126	127	127	128	129	133	132	125	118	113	108	107	109	110	112	114	119	123	124	124	124	124	124	121	0	7	12	135	12 32	105	30
6	✓	✓		124	124	125	127	127	127	135	138	131	126	120	110	106	108	110	113	112	115	122	125	123	124	126	126	122	0	7	30	139	12 17	103	36
7				124	124	124	126	126	126	125	127	125	128	132	126	120	120	117	116	117	118	124	122	125	125	125	125	124	1	10	08	134	15 33	115	19
8				126	126	125	126	126	128	131	138	136	134	128	123	119	117	116	115	112	116	121	124	124	124	125	124	124	1	7	30	140	16 10	110	30
9			✓	122	124	128	124	126	127	124	120	116	112	113	109	106	112	120	120	120	121	125	126	125	125	125	124	121	1	2	42	132	11 47	102	30
10				125	124	125	128	127	126	128	128	124	127	133	138	140	137	128	124	118	120	125	125	125	126	126	125	127	1	11	58	144	16 48	117	27
11	✓			125	126	126	127	128	127	127	126	123	118	121	120	117	116	120	118	119	121	124	124	123	125	126	124	123	0	4	57	130	13 27	113	17
12				123	125	126	126	126	125	127	130	126	124	125	125	124	124	127	125	120	121	123	125	125	125	124	126	125	0	7	29	131	16 40	119	12
13	✓			126	127	127	127	127	127	126	120	110	103	102	99	100	104	110	115	121	122	122	123	123	123	123	123	118	0	4	56	129	11 43	98	31
14	✓	✓		124	124	125	125	126	127	131	132	129	128	126	112	97	100	104	109	117	120	122	122	122	122	123	123	120	0	7	16	136	12 49	95	41
15	✓	✓		123	124	124	126	126	128	131	128	123	121	114	100	92	93	98	106	113	118	123	123	124	124	124	123	118	0	6	22	132	12 27	90	42
16	✓	✓		124	124	125	125	127	127	127	127	124	125	125	120	106	100	100	104	111	120	125	123	122	121	121	120	120	0	6	55	129	13 47	97	32
17				119	120	121	122	125	125	126	126	125	125	125	114	100	95	92	96	106	116	121	122	121	121	121	120	117	0	7	12	129	14 32	91	38
18	✓	✓		120	120	121	122	123	123	123	124	123	126	129	121	111	108	108	111	110	118	119	121	121	121	121	120	119	0	10	18	130	13 00	106	24
19	✓			119	120	121	122	122	122	122	124	126	132	135	131	122	111	104	104	111	116	121	125	124	124	122	122	121	0	10	11	137	14 50	101	36
20				121	122	124	125	125	125	125	127	123	126	122	116	107	98	103	102	110	118	123	122	122	122	125	124	119	1	6	54	128	13 20	95	33
21	✓			124	124	124	125	125	125	127	130	129	133	133	126	118	109	105	103	109	116	121	123	123	123	123	122	122	0	10	17	135	15 07	102	33
22				121	122	122	123	124	122	122	123	115	117	112	105	105	107	109	106	107	117	119	121	119	120	122	122	117	1	4	00	127	11 45	102	25
23				123	123	124	127	127	126	125	123	119	121	125	121	116	108	101	101	106	115	119	119	119	119	121	122	119	0	3	59	128	14 59	100	28
24				122	120	121	123	126	131	131	139	142	138	133	127	121	114	106	103	106	112	119	118	120	118	118	121	122	1	7	56	148	15 26	101	47
25				121	120	122	121	121	122	124	126	128	125	121	114	108	103	100	103	106	114	118	120	118	117	118	119	117	1	8	25	130	14 35	98	32
26			✓	114	114	118	123	122	123	129	131	126	126	128	128	121	118	117	113	113	118	121	122	122	121	121	122	121	1	7	17	137	16 05	109	28
27				119	122	123	122	123	122	124	127	128	127	124	127	127	126	121	117	119	122	123	120	121	120	118	119	123	0	8	20	129	15 56	112	17
28				117	122	122	123	124	125	128	127	125	120	115	114	109	111	116	115	114	117	120	120	119	118	120	120	119	0	6	30	129	12 55	107	22
29				120	121	123	125	125	125	126	128	127	123	120	116	107	99	98	104	111	117	120	121	119	118	119	121	118	0	7	46	130	14 20	95	35
30				121	123	124	125	127	126	127	131	133	136	127	116	110	108	111	111	111	118	122	123	121	119	120	116	121	1	9	18	139	13 37	106	33
31				121	123	124	126	124	124	125	133	137	130	125	121	113	112	112	112	114	119	119	120	121	119	120	121	121	1	8	08	141	14 48	111	30
MEANS ALL DAYS				122	123	124	125	126	126	128	129	126	124	122	117	111	110	110	111	114	118	122	122	122	122	122	123	121							30
MEANS TEN DAYS *				123	124	124	125	126	126	128	128	124	123	122	115	108	106	107	110	114	118	122	123	123	123	123	123	120							32
MEANS FIVE DAYS † (G. M. T.)				123	123	124	125	126	126	129	130	126	125	123	113	102	102	104	109	113	118	122 122	123 123	123	123	123	123	120							
MEANS FIVE DAYS ‡ (G. M. T.)				122	123	125	125	126	128	130	129	122	116	115	111	107	111	116	117	119	121	124	122	122	123	124	124	121							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 315

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1943

NOVEMBER 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				121	121	121	124	124	124	123	117	112	113	110	103	102	106	108	109	111	118	120	120	120	121	120	121	116	0	3	54	12	11	99	26
2	✓			120	120	121	123	125	125	126	127	128	127	123	119	119	116	117	118	116	118	118	119	118	119	119	118	121	0	8	10	13	56	114	15
3	✓			119	119	120	121	123	124	120	116	114	109	103	105	107	107	109	113	114	117	119	119	119	119	119	118	116	0	5	30	10	43	102	23
4	✓			118	119	120	121	122	122	123	126	126	125	125	121	116	112	110	111	112	114	119	119	120	119	118	114	119	0	7	20	14	20	108	20
5				115	116	118	119	121	122	122	123	120	118	126	131	131	130	127	119	114	117	121	121	120	120	120	119	121	1	11	59	16	47	113	23
6				118	118	118	120	121	120	120	122	125	120	116	110	100	113	118	116	111	113	117	118	119	119	119	119	117	1	8	43	12	24	95	33
7				119	119	120	122	123	120	120	121	122	125	130	134	131	130	128	121	119	119	121	122	122	122	121	121	123	0	11	04	16	45	114	21
8				121	120	121	122	124	122	120	122	125	122	121	124	123	127	129	123	115	117	120	123	121	121	121	122	122	0	14	10	16	23	113	17
9				121	122	122	122	123	121	120	121	123	123	122	125	128	126	120	112	111	115	120	122	120	121	121	121	121	0	12	27	15	57	109	20
10				122	123	123	124	123	120	118	117	114	113	117	120	116	110	110	111	118	120	123	123	122	121	121	122	119	0	3	30	14	10	107	18
11	✓	✓		122	122	123	124	124	121	122	122	123	124	123	124	120	116	116	113	115	117	119	122	122	122	122	122	121	0	11	30	15	55	111	15
12	✓			122	122	123	124	124	123	122	128	128	128	126	127	128	130	134	127	123	123	124	124	124	124	123	123	125	0	14	22	6	04	119	16
13	✓	✓		123	123	124	124	125	124	125	127	124	120	119	120	120	123	123	119	120	119	121	120	119	119	119	119	122	0	7	30	22	30	116	12
14	✓	✓		119	119	120	121	121	119	120	125	129	131	135	145	146	142	140	130	123	121	121	123	122	121	121	119	126	0	12	00	5	50	117	31
15	✓	✓		119	119	120	121	121	121	119	121	122	124	122	117	107	107	110	116	117	120	119	123	119	118	117	114	118	0	9	20	13	30	105	20
16				116	117	117	119	121	121	119	119	124	122	124	128	126	131	129	125	120	119	117	119	118	117	117	117	121	0	13	50	0	38	113	20
17	✓	✓		117	117	118	119	119	121	124	126	126	119	113	108	103	103	103	99	103	109	114	118	118	117	117	116	114	0	8	08	15	59	97	32
18				117	116	117	117	120	121	125	128	129	134	132	129	124	119	118	119	118	118	117	117	117	117	114	113	121	0	9	42	23	58	109	27
19			✓	109	113	113	118	119	124	129	146	150	137	131	122	110	105	100	100	101	108	116	118	118	118	114	114	118	2	7	56	14	30	98	57
20			✓	114	113	115	116	120	122	126	141	147	149	145	146	157	152	142	128	118	118	117	116	117	117	118	118	128	1	12	40	1	20	111	48
21				116	115	117	118	121	118	119	120	120	122	125	121	124	129	122	119	113	114	118	119	118	117	117	117	119	1	13	27	16	50	111	22
22				115	116	117	118	121	120	122	126	133	136	137	126	126	126	121	116	113	117	117	118	118	119	118	117	121	1	10	11	16	24	112	27
23				117	117	118	120	121	120	121	125	136	138	135	134	137	126	121	121	120	117	122	122	121	117	118	117	123	1	12	47	0	40	115	28
24				118	118	118	119	121	122	123	125	121	122	136	139	139	127	122	114	109	110	118	118	119	117	117	116	121	1	12	14	16	53	107	36
25			✓	114	115	116	118	121	123	127	132	134	129	127	132	124	121	116	112	111	114	118	120	119	119	121	118	121	1	8	11	17	00	107	30
26			✓	116	116	117	120	121	120	123	125	130	118	133	151	146	136	128	117	110	113	120	117	117	118	120	115	123	1	11	30	16	30	108	47
27			✓	114	117	116	119	121	120	122	126	128	124	127	131	121	116	110	107	109	110	116	118	119	119	119	118	119	1	11	30	15	16	104	29
28				116	116	118	120	121	124	122	121	119	116	124	130	136	134	132	127	125	122	124	120	119	120	119	117	123	0	12	37	9	14	114	23
29				116	116	118	120	124	123	123	125	127	125	125	125	125	125	120	112	113	116	120	121	120	120	119	119	121	0	10	54	15	54	111	18
30	✓			119	119	120	121	123	123	125	129	127	115	111	110	111	114	118	113	113	116	120	121	120	119	119	120	119	0	8	05	11	00	107	24
31																																			
MEANS ALL DAYS				118	118	119	120	122	122	122	125	126	124	125	125	123	122	120	116	114	116	119	120	120	119	119	118	121							26
MEANS TEN DAYS ✲				120	120	121	122	123	122	123	125	125	122	120	120	118	117	118	116	116	117	119	121	120	120	119	118	120							21
MEANS FIVE DAYS † (G. M. T.)				120	120	121	122	122	121	122	124	125	124	122	123	119	118	118	115	116	117	121 119	122 121	121	120	120	120	120							
MEANS FIVE DAYS ‡ (G. M. T.)				113	115	115	118	120	122	125	134	138	131	133	136	132	126	119	113	110	113	117	118	118	118	117	115	122							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊠ = NO RECORD

TABLE 316

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1943 — DECEMBER 1943

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				119	119	119	121	121	122	122	124	121	112	110	107	104	110	111	110	112	115	118	120	120	119	117	117	116	0	8	05	126	12 36	103	23
2				116	117	118	119	120	119	121	129	131	123	111	109	115	116	107	114	117	116	119	120	120	118	118	116	118	0	8	20	132	14 44	102	30
3			✓	115	117	120	120	120	120	122	125	123	118	120	109	98	101	105	108	113	119	120	120	120	118	118	118	116	1	7	41	128	12 37	95	33
4				118	117	118	120	121	119	122	126	126	121	123	116	105	100	96	96	97	106	115	117	117	116	116	115	114	1	8	20	130	14 59	94	36
5				115	115	116	117	119	119	120	127	130	132	138	136	130	127	124	116	114	116	118	119	119	119	118	118	122	0	11	07	142	16 00	113	29
6	✓	✓		118	119	119	120	121	120	123	130	128	124	127	129	123	119	120	115	114	115	119	121	121	122	121	119	121	0	8	20	132	16 10	113	19
7	✓			120	120	120	122	122	122	119	117	113	110	112	115	117	117	112	108	105	112	117	119	118	118	117	118	116	0	5	10	123	16 10	102	21
8	✓			119	120	120	121	122	120	117	117	121	124	127	129	129	130	127	121	117	118	119	119	118	117	117	118	121	0	13	50	131	6 52	116	15
9				117	117	117	120	121	119	117	118	116	116	121	131	134	130	122	111	107	112	115	116	116	117	117	116	118	0	12	04	136	16 10	105	31
10	✓			116	116	118	118	120	120	117	113	112	109	114	124	125	124	125	127	121	117	119	119	118	117	118	118	119	0	15	13	128	9 43	108	20
11	✓	✓		119	119	119	120	121	117	116	114	112	113	114	115	124	128	130	131	129	125	123	121	121	121	121	120	121	0	15	40	133	8 33	110	23
12	✓	✓		119	119	120	121	122	120	121	123	121	122	128	132	130	132	129	133	130	124	123	120	120	120	119	119	124	0	15	59	135	5 50	117	18
13	✓	✓		119	119	119	120	121	119	125	130	125	121	120	120	123	124	121	114	116	120	119	119	119	118	117	117	120	0	7	35	132	15 30	112	20
14				116	117	117	117	120	119	121	121	113	105	104	120	132	141	142	133	120	117	117	120	119	119	118	118	120	0	14	30	144	10 16	100	44
15	✓			117	117	118	120	122	121	123	130	135	132	126	122	117	117	115	115	122	119	118	118	117	116	114	114	120	0	8	30	136	23 50	113	23
16			✓	114	114	115	117	123	125	126	124	130	120	117	112	106	100	97	96	107	113	115	118	119	118	118	118	115	1	8	17	142	15 22	94	48
17			✓	114	114	116	118	120	119	125	138	140	134	119	112	109	108	110	107	107	113	116	116	118	120	117	117	118	1	7	47	144	16 10	104	40
18				117	117	117	117	121	121	123	128	130	127	126	119	108	105	105	104	110	115	118	117	115	117	117	118	117	0	8	28	132	15 20	102	30
19			✓	116	116	116	116	116	117	125	126	124	119	118	110	104	103	116	115	104	114	117	120	118	118	117	118	116	1	7	43	127	12 56	99	28
20			✓	117	116	117	118	119	120	120	123	114	105	105	98	88	90	93	97	108	114	114	118	120	118	118	118	111	1	7	37	125	12 17	85	40
21				117	117	116	116	119	118	120	125	129	128	134	132	129	126	114	104	105	109	110	117	118	117	116	117	119	1	10	28	137	15 31	103	34
22				116	116	117	116	119	120	117	118	118	117	120	118	115	116	114	112	111	113	117	118	118	118	118	117	117	0	10	54	122	16 10	110	12
23				117	117	117	117	120	121	124	126	127	132	136	135	136	138	137	122	113	113	117	119	119	118	118	118	123	0	13	10	140	17 05	110	30
24				116	118	119	118	120	119	121	123	119	119	123	123	118	122	114	103	105	111	117	119	118	118	118	117	117	0	11	10	126	15 30	102	24
25				115	115	116	118	119	120	123	125	124	127	128	126	123	118	113	110	112	114	113	116	116	116	116	116	118	0	10	52	132	15 50	109	23
26				117	117	118	119	119	120	121	123	119	118	116	106	98	100	103	108	108	112	116	117	117	117	117	116	114	0	7	30	124	12 44	96	28
27				117	118	118	120	121	120	121	126	132	136	141	144	136	133	128	119	112	117	118	117	117	117	117	117	123	0	11	20	145	16 10	109	36
28	✓	✓		116	116	117	119	118	117	117	122	124	130	135	127	115	112	106	111	119	123	122	119	117	117	117	116	119	0	10	17	137	14 40	105	32
29				116	118	118	119	122	124	124	130	130	120	105	96	98	112	126	137	132	124	122	116	118	117	116	116	119	0	15	50	139	11 56	94	45
30	✓			116	116	117	119	120	121	121	120	114	116	117	110	103	100	103	109	114	118	119	119	119	118	118	118	115	0	5	11	122	13 11	98	24
31				118	118	117	119	122	126	126	122	118	112	110	110	110	112	115	119	119	115	117	118	116	115	115	115	117	0	5	35	127	12 31	107	20
MEANS ALL DAYS				117	117	118	119	120	120	121	124	123	121	121	119	116	116	115	114	114	116	118	118	118	118	117	117	118							28
MEANS TEN DAYS #				118	118	119	120	121	120	120	122	120	120	122	122	121	120	119	118	119	119	120	119	119	118	118	118	120							22
MEANS FIVE DAYS † (G. M. T.)				118	118	119	120	121	119	120	124	122	122	125	125	123	123	121	121	122	121	120 121	119 120	119	119	119	118	121							
MEANS FIVE DAYS ‡ (G. M. T.)				115	115	117	118	120	120	124	127	126	119	116	108	101	100	104	105	108	115	116	119	118	117	117	117	115							

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 317

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1944 — JANUARY 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				369	369	364	360	358	364	362	367	372	381	381	382	383	377	374	369	365	372	379	387	388	386	382	380	374	1	12 42	400	4 22	353	47
2				377	372	370	368	368	368	364	370	382	389	390	392	388	384	392	391	378	375	376	379	377	375	376	374	378	0	11 39	399	6 24	363	36
3	✓	✓		371	371	369	368	369	365	361	364	372	388	401	409	406	391	391	391	383	376	373	377	379	379	378	376	380	0	11 53	411	7 00	358	53
4	✓	✓		373	369	364	366	367	364	361	370	382	391	391	396	388	399	392	386	374	371	372	380	381	380	373	371	378	0	13 50	401	6 20	358	43
5				371	370	366	364	369	368	359	362	368	372	378	380	371	366	369	368	362	364	371	374	376	378	378	374	370	0	11 00	386	6 50	358	28
6	✓	✓		371	370	368	368	368	362	359	361	371	375	379	381	383	386	390	391	381	369	372	376	374	373	372	372	374	0	15 09	395	6 20	358	37
7	✓	✓		370	368	368	365	365	364	356	360	368	372	378	380	374	368	365	361	362	367	374	376	376	376	374	370	369	0	11 13	382	6 20	355	27
8	✓			369	368	367	366	364	361	352	353	360	370	389	390	381	381	383	377	368	368	368	373	372	370	371	370	370	0	10 44	393	6 40	350	43
9				369	367	362	362	363	363	358	368	377	376	380	381	383	374	376	363	358	367	374	377	376	374	373	371	370	0	11 50	389	6 18	355	34
10				370	368	363	359	356	354	346	356	371	388	401	409	408	398	394	384	379	384	388	389	387	381	375	368	378	0	11 33	412	6 40	342	70
11			✓	358	358	354	356	353	362	352	356	371	383	391	403	412	399	379	371	372	378	381	383	383	380	377	372	374	1	12 53	429	6 25	350	79
12				365	358	351	350	359	359	349	359	380	393	393	392	405	396	393	374	366	367	372	380	382	380	374	371	374	0	12 14	413	6 23	344	69
13			✓	362	361	361	358	354	352	341	353	373	404	423	437	430	420	415	403	383	378	374	378	380	378	374	371	382	1	11 43	445	6 15	339	106
14			✓	364	362	357	357	352	349	353	367	379	393	407	416	416	402	387	364	360	363	373	381	380	380	377	371	375	0	12 48	429	5 34	342	87
15			✓	369	362	361	363	363	358	342	351	376	404	420	424	418	419	424	410	384	387	380	381	381	378	378	373	384	1	11 57	434	6 34	339	95
16			✓	369	363	359	353	351	353	352	358	373	387	397	391	390	383	382	363	349	359	371	379	381	379	376	372	370	0	10 40	403	16 32	345	58
17				363	361	359	361	360	356	353	371	387	396	402	407	406	404	392	380	373	372	372	376	380	378	373	371	377	0	11 35	416	6 11	351	65
18				366	361	360	356	344	341	354	369	379	389	392	408	391	382	372	361	359	371	380	380	381	378	371	371	372	0	11 30	412	5 10	331	81
19				370	366	362	361	363	361	354	362	376	383	401	421	421	391	378	379	380	380	374	374	376	378	372	371	377	0	12 05	430	6 30	353	77
20				369	361	360	361	360	359	352	352	361	373	373	383	382	372	371	366	361	366	371	376	376	374	374	371	368	0	12 02	391	6 30	350	41
21	✓			369	366	363	362	362	363	365	379	396	405	421	433	431	418	399	391	379	378	375	373	374	376	373	371	384	0	11 30	436	3 32	361	75
22	✓			364	361	359	358	361	361	360	361	367	366	372	383	381	371	366	361	359	365	371	375	374	372	374	371	367	0	11 40	388	3 05	355	33
23				369	361	356	355	356	357	352	363	369	369	377	374	371	371	381	380	366	373	379	378	379	376	371	370	369	0	14 46	386	6 30	351	35
24				366	362	358	356	361	363	356	355	361	361	378	391	389	388	376	366	356	361	368	372	376	375	373	370	368	0	11 45	394	6 50	352	42
25	✓			364	359	361	361	361	360	352	362	373	376	374	381	385	381	381	371	367	371	373	373	372	372	371	370	370	0	12 19	389	6 35	350	39
26				363	361	361	358	358	360	355	360	361	375	385	395	397	394	391	381	380	377	376	381	383	382	380	376	375	0	11 33	406	6 30	354	52
27				371	366	367	366	367	361	347	352	371	381	391	391	387	376	371	366	367	371	371	376	372	371	371	369	371	0	10 14	395	7 00	343	52
28				371	362	362	363	366	367	361	366	380	381	385	391	392	391	381	369	355	354	366	372	374	372	372	368	372	0	11 40	398	17 00	351	47
29	✓			368	364	363	362	363	363	351	351	361	369	379	388	394	391	384	382	376	372	371	372	372	373	372	371	371	0	12 38	396	6 50	347	49
30	✓	✓		371	369	366	364	361	361	354	359	374	391	389	389	383	381	376	370	369	367	370	372	373	374	374	371	372	0	9 50	395	6 42	351	44
31				369	365	361	360	358	356	350	355	369	385	394	389	369	352	347	358	366	371	372	376	380	380	377	374	368	0	10 44	397	14 15	345	52
MEANS ALL DAYS				368	365	362	361	361	360	354	361	373	383	391	396	394	387	383	376	369	371	374	377	378	377	374	372	374						55
MEANS TEN DAYS ✱				369	366	365	364	364	362	357	362	372	380	387	393	391	387	383	378	372	370	372	375	375	374	373	371	373						44
MEANS FIVE DAYS † (G. M. T.)				371	369	367	366	366	363	358	363	373	383	388	391	387	385	383	380	374	370	373 372	376 376	376	376	375	373	374						
MEANS FIVE DAYS ‡ (G. M. T.)				364	361	358	357	355	355	348	357	374	394	408	414	413	405	397	382	370	373	376	382	382	379	376	371	377						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 318

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1944 — FEBRUARY 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			369	367	365	362	361	359	359	373	391	395	395	395	388	372	361	356	357	359	362	368	370	371	371	368	371	0	12 13	399	15 55	353	46
2				368	367	363	361	361	360	352	352	367	381	392	390	389	379	368	356	351	355	363	372	373	373	372	369	368	0	10 48	396	6 54	348	48
3	✓	✓		368	365	364	362	361	361	355	359	371	387	392	388	387	393	397	390	377	370	369	370	371	371	371	371	374	0	14 30	400	6 59	353	47
4				368	364	359	357	354	350	341	352	364	376	389	393	389	389	381	369	361	361	367	370	370	370	369	368	368	0	11 44	408	6 40	338	70
5				364	361	359	357	356	353	348	353	363	373	392	401	383	363	353	350	353	352	359	367	368	368	369	367	364	0	11 09	408	6 28	345	63
6	✓			363	362	361	358	357	355	349	362	373	387	390	384	366	353	363	367	360	352	361	370	371	372	370	367	366	0	10 25	392	6 27	346	46
7			✓	363	354	350	344	336	333	334	326	350	363	380	394	404	400	391	384	377	375	378	382	372	373	373	372	367	1	12 24	421	7 57	308	113
8			✓	363	359	356	355	354	355	350	360	375	390	394	380	359	352	362	374	375	368	372	378	375	372	370	367	367	1	10 12	409	6 27	347	62
9			✓	362	354	351	351	357	357	344	356	372	385	397	398	383	373	372	370	369	368	371	373	372	372	370	364	368	1	11 40	404	6 39	341	63
10				361	359	357	356	355	355	352	368	390	404	412	400	379	379	367	358	354	358	364	371	371	372	368	367	370	0	10 51	421	6 50	351	70
11				361	361	352	353	350	351	342	357	382	398	403	397	388	374	366	363	370	373	378	378	373	373	361	363	369	0	11 02	411	6 47	339	72
12				361	359	355	358	358	353	344	349	361	361	370	365	366	373	374	364	359	362	370	371	371	369	368	368	363	0	14 10	381	7 03	343	38
13				364	360	357	358	360	361	349	355	372	383	387	397	397	390	381	378	379	377	375	376	371	367	364	363	372	0	11 29	403	6 45	345	58
14			✓	358	348	341	346	350	355	348	356	369	381	393	393	388	380	371	361	358	363	371	371	375	373	370	368	366	1	10 03	401	2 50	337	64
15			✓	367	366	364	363	362	358	347	349	363	387	406	420	432	431	412	399	385	372	365	369	364	366	367	368	378	0	12 59	440	7 00	341	99
16				367	364	361	361	362	361	351	352	364	372	383	395	393	395	389	376	365	361	368	369	365	367	365	364	370	0	11 47	398	7 03	347	51
17				364	362	363	362	362	364	353	347	351	353	353	355	365	384	385	380	371	375	373	368	368	370	367	365	365	0	14 10	387	7 40	344	43
18	✓	✓		364	364	362	362	364	363	353	347	350	359	364	372	375	381	384	382	373	365	363	364	365	365	363	360	365	0	14 30	385	7 43	344	41
19	✓			360	359	360	358	357	357	347	348	352	360	371	377	371	371	375	373	370	363	364	366	368	368	365	366	364	0	11 27	380	6 50	342	38
20				362	359	354	352	351	353	341	331	331	332	340	361	369	376	380	378	368	364	364	369	370	371	371	369	359	1	15 05	383	8 03	322	61
21				367	361	363	367	368	367	358	353	363	373	379	383	382	377	377	371	361	355	363	368	368	367	368	368	368	0	11 33	386	7 17	350	36
22				367	364	364	364	363	361	342	340	348	366	379	377	371	361	363	369	368	362	362	363	365	369	367	367	363	0	11 08	382	7 11	338	44
23	✓			363	361	361	360	360	358	340	332	344	359	368	375	384	386	391	391	379	367	362	369	370	370	369	366	366	0	14 42	392	7 20	331	61
24	✓	✓		364	364	364	363	362	360	352	352	361	367	378	381	380	374	371	364	361	360	362	367	368	367	368	368	366	0	11 21	382	7 10	350	32
25	✓	✓		365	363	361	361	363	362	345	339	344	357	374	382	386	381	373	363	357	360	364	367	368	368	367	363	364	0	12 30	388	7 20	337	51
26	✓			363	361	361	361	362	362	349	344	350	358	367	373	380	383	382	372	364	361	361	367	367	368	367	364	364	0	13 13	388	7 17	343	45
27	✓	✓		363	361	359	358	360	358	347	342	349	358	376	390	393	393	389	380	366	361	361	364	365	368	363	361	366	0	12 26	396	7 16	339	57
28				361	358	359	356	354	355	344	340	344	359	372	379	380	387	383	373	368	363	363	367	367	364	364	363	363	0	13 40	389	7 33	338	51
29				361	354	354	355	358	361	352	345	350	364	380	388	393	394	392	377	365	362	367	369	369	368	365	362	367	0	12 35	399	7 26	343	56
30																																		
31																																		
MEANS ALL DAYS				364	361	359	358	358	357	348	350	361	372	382	386	383	381	378	372	366	364	366	370	369	369	368	366	367						56
MEANS TEN DAYS *				364	363	362	360	361	360	350	350	358	369	378	382	381	379	379	374	366	362	363	367	368	369	367	365	366						46
MEANS FIVE DAYS † (G. M. T.)				365	363	362	361	362	361	350	348	355	366	377	383	384	384	383	376	367	363	364 364	369 366	369	370	369	366	367						
MEANS FIVE DAYS ‡ (G. M. T.)				363	356	352	352	352	352	345	349	366	381	394	397	393	387	382	378	373	369	371	375	373	371	369	367	369						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
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⊼ = NO RECORD

TABLE 319

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1944 MARCH 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		361	362	360	358	360	361	353	342	345	353	367	377	389	390	382	370	367	367	362	362	363	366	364	359	364	0	12	46 394	7	54 338	56
2	✓			357	358	359	361	363	367	363	364	369	371	380	399	411	410	402	396	382	370	360	362	364	366	363	361	373	0	13	23 416	0	26 354	62
3	✓	✓		360	359	357	357	357	358	348	338	337	339	345	347	350	355	357	358	361	361	363	366	367	365	361	359	355	0	20	20 369	8	19 333	36
4				357	352	348	350	340	348	341	321	332	348	357	363	370	374	370	374	377	372	367	370	370	367	365	362	358	1	13	20 383	7	49 317	66
5				361	358	358	359	360	362	361	357	359	361	366	365	365	359	360	361	366	366	370	372	372	370	367	362	363	0	19	08 378	12	38 352	26
6				358	356	353	356	353	351	352	352	356	367	372	372	371	372	373	367	368	360	366	370	368	369	361	361	363	1	13	00 384	5	24 345	39
7			✓	360	358	352	351	355	357	352	355	364	374	382	377	377	373	370	366	360	360	370	370	368	368	365	366	365	1	9	57 390	3	02 348	42
8				360	360	358	357	356	358	354	359	377	384	391	395	393	387	369	359	360	367	370	370	370	368	366	361	369	0	12	08 404	7	05 350	54
9				357	358	356	352	356	357	348	352	366	381	384	382	371	367	362	363	364	363	368	365	367	368	363	359	364	1	9	55 393	6	44 342	51
10			✓	356	354	348	342	351	358	352	359	373	382	382	386	389	386	376	368	362	360	363	367	366	366	367	361	366	1	11	57 398	2	46 338	60
11				360	358	353	352	347	346	348	358	364	374	381	387	387	381	362	353	352	358	364	368	368	366	367	362	363	0	12	58 392	4	53 342	50
12				358	358	357	357	350	352	347	348	350	357	360	366	368	370	371	360	357	363	367	369	369	365	364	363	360	1	14	05 379	6	45 343	36
13				360	360	359	359	358	358	357	354	361	373	381	382	382	385	382	374	368	362	362	363	364	362	366	361	366	0	14	13 390	7	58 350	40
14				361	357	356	359	360	360	357	359	367	373	381	393	398	391	379	363	357	357	359	361	363	363	363	361	367	0	12	20 401	2	14 352	49
15	✓	✓		358	357	358	360	360	359	349	341	351	364	375	381	380	377	371	362	361	361	366	363	362	365	363	361	363	0	12	00 384	7	10 337	47
16	✓			360	360	358	359	360	357	352	353	362	368	376	389	389	381	374	365	364	364	364	363	363	362	362	361	365	0	11	57 391	6	58 348	43
17	✓	✓		360	359	359	360	360	360	352	345	347	352	360	366	366	361	356	353	357	359	363	362	361	360	360	359	358	0	12	20 370	7	40 342	28
18				359	358	357	358	360	361	360	361	366	375	378	388	394	380	368	360	363	369	371	381	380	363	367	367	368	0	12	24 400	15	27 354	46
19			✓	365	361	360	361	362	363	363	369	380	386	392	399	397	386	370	361	354	361	359	365	366	367	366	363	370	1	11	46 402	16	34 351	51
20	✓			361	360	358	358	361	367	367	366	371	378	380	380	374	361	352	348	349	354	363	362	365	365	363	360	363	0	10	47 384	15	50 346	38
21	✓			360	360	361	359	360	358	351	348	347	350	351	355	360	367	364	363	362	366	367	362	362	362	360	362	359	0	13	30 369	8	27 343	26
22				362	361	362	366	366	369	369	367	361	365	369	371	379	377	369	362	362	361	363	363	361	361	360	360	365	0	12	57 391	8	17 355	36
23	✓			358	357	357	357	358	357	352	348	350	357	362	365	361	361	361	365	368	366	363	363	362	361	361	361	360	0	16	30 369	7	10 346	23
24	✓	✓		358	358	357	355	358	357	360	362	369	377	382	384	379	369	360	360	356	357	360	360	360	360	359	357	363	0	10	52 387	3	24 352	35
25				357	356	356	356	357	353	352	354	369	385	388	387	376	365	358	357	357	357	361	359	361	360	357	356	362	0	11	14 392	6	50 350	42
26			✓	360	360	360	354	360	361	357	360	371	372	386	389	381	376	367	367	356	354	360	380	379	373	372	359	367	1	19	13 393	9	17 348	45
27			✓	358	360	347	344	348	351	347	349	361	368	373	377	380	378	360	357	357	361	361	361	362	361	361	360	360	1	13	16 383	3	44 339	44
28				360	359	359	360	357	353	351	356	367	377	389	396	397	389	372	360	356	352	353	354	353	357	364	367	365	0	12	07 399	6	10 348	51
29				366	367	367	367	362	362	356	359	362	367	371	373	372	370	360	360	360	355	355	357	353	357	362	363	363	0	11	20 379	20	12 351	28
30				362	362	357	359	360	359	357	362	368	372	373	374	377	369	362	358	353	350	356	356	358	360	361	359	362	0	12	40 381	17	06 348	33
31				361	362	363	364	361	361	354	344	347	352	361	365	370	377	377	366	359	358	360	360	359	358	359	360	361	0	14	11 379	8	02 343	36
MEANS ALL DAYS				360	359	357	357	357	358	354	354	360	368	374	378	379	376	368	363	361	361	363	365	365	364	363	361	364						43
MEANS TEN DAYS *				359	359	358	358	360	360	355	351	355	361	368	374	376	373	368	364	363	362	363	362	363	363	362	360	362						39
MEANS FIVE DAYS † (G. M. T.)				359	359	358	358	359	359	352	346	350	357	366	371	373	370	365	361	360	361	363 363	364 363	364	364	363	361	361						
MEANS FIVE DAYS ‡ (G. M. T.)				360	359	353	350	355	358	354	358	370	376	383	386	385	380	369	364	358	359	363	371	371	367	364	360	366						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 320

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1944

APRIL 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				359	358	360	361	361	361	357	360	363	368	373	379	380	376	370	367	365	359	358	359	357	355	357	359	363	0	11 58	386	21 58	352	34
2			✓	354	341	329	327	336	342	370	380	376	381	385	386	387	391	389	381	372	370	370	368	366	362	360	354	366	2	13 13	404	3 20	317	87
3				356	357	358	358	361	362	362	357	355	357	359	361	368	373	366	360	355	354	360	360	359	360	361	360	360	1	13 35	381	17 03	352	29
4			✓	356	349	351	356	360	364	366	366	369	372	377	379	383	378	367	364	364	365	364	367	363	362	360	357	365	0	12 24	389	1 34	344	45
5			✓	354	351	353	358	357	363	363	359	360	360	358	355	348	349	347	345	347	354	359	362	358	360	359	356	356	1	6 42	365	16 18	341	24
6			✓	356	353	342	350	351	357	360	369	369	371	367	362	358	362	364	358	358	362	366	362	361	362	361	359	360	1	7 58	377	2 32	337	40
7				358	357	354	351	357	360	359	354	354	357	359	356	360	360	356	354	353	360	364	363	363	361	362	361	358	0	18 46	367	3 38	347	20
8				358	359	359	361	363	368	370	370	375	374	379	386	391	389	375	366	357	354	356	358	358	359	359	358	367	0	12 24	396	17 11	353	43
9				357	356	357	357	360	362	362	369	379	391	396	396	397	391	373	360	354	357	361	364	363	360	358	347	368	0	12 27	402	23 33	344	58
10				354	354	351	354	354	353	351	358	363	365	363	364	365	367	366	360	358	357	358	360	362	360	357	357	359	0	13 39	371	6 41	347	24
11				356	355	355	355	355	357	350	349	355	361	373	385	384	376	361	357	355	357	360	359	360	355	357	358	360	0	11 47	386	7 05	347	39
12				358	358	357	357	357	358	356	354	354	354	358	363	365	363	360	353	348	348	352	352	353	355	356	356	356	0	12 53	367	17 08	346	21
13	✓	✓		355	356	356	357	357	357	357	357	358	363	365	365	368	370	367	361	353	352	353	352	352	353	355	355	358	0	13 10	371	17 00	351	20
14	✓	✓		355	355	354	356	356	359	360	361	363	366	369	378	386	383	371	365	360	358	356	355	353	353	353	353	362	0	12 57	389	23 57	352	37
15				352	353	354	356	357	360	366	363	363	363	360	367	366	363	356	350	346	349	350	350	350	353	351	350	356	0	12 04	370	16 36	342	28
16			✓	348	344	336	323	323	331	337	357	364	372	382	387	384	372	369	366	363	359	357	358	358	357	354	356	357	1	11 41	390	3 20	319	71
17	✓			358	359	362	364	367	369	365	360	356	352	354	357	360	359	363	365	361	355	351	353	352	352	355	357	359	0	5 20	370	21 00	349	21
18	✓			357	359	360	364	367	367	364	355	347	340	343	351	357	361	367	367	362	355	351	352	353	356	354	356	357	0	5 26	368	9 43	339	29
19	✓	✓		356	356	358	360	361	362	361	356	348	343	344	348	354	359	364	369	366	357	352	353	352	352	351	350	356	0	15 43	370	10 27	342	28
20	✓			355	357	357	360	365	367	369	361	351	347	346	344	343	346	357	360	362	361	356	352	352	353	353	353	355	0	6 30	372	13 10	341	31
21	✓			352	351	352	357	360	367	370	360	342	338	337	342	349	358	361	361	360	354	351	351	352	352	351	351	353	0	6 20	372	10 18	334	38
22	✓	✓		352	352	352	353	356	363	371	370	368	367	365	363	361	357	356	352	348	348	351	351	350	351	350	351	357	0	6 40	373	17 20	347	26
23	✓	✓		351	350	351	353	357	360	363	354	352	352	351	353	352	348	350	350	349	350	351	350	349	349	350	351	352	0	6 20	367	13 20	347	20
24				353	353	358	363	367	369	368	361	357	359	357	354	352	344	342	343	347	351	350	351	353	356	356	354	355	0	6 07	372	14 33	340	32
25	✓			353	354	357	357	359	360	361	358	354	360	368	369	364	353	350	349	349	351	348	349	352	354	354	354	356	0	11 10	370	18 43	346	24
26				356	354	357	358	359	359	356	356	358	359	366	369	367	368	363	361	358	351	351	351	350	352	352	351	358	0	11 37	371	19 00	349	22
27				351	352	353	357	360	359	357	357	360	367	372	375	377	370	362	356	350	350	348	351	351	351	351	351	358	0	11 44	379	18 40	346	33
28				353	357	356	359	360	358	350	354	360	362	374	379	382	379	371	371	366	352	350	349	350	350	351	351	360	0	12 03	384	6 20	343	41
29				350	352	351	354	355	355	355	354	351	351	361	370	370	375	377	371	360	352	350	349	350	350	350	350	357	0	14 15	379	7 50	343	36
30				344	348	349	346	353	359	354	353	348	346	350	361	368	374	379	379	369	358	353	351	350	350	350	351	356	0	14 40	382	0 37	335	47
31																																		
MEANS ALL DAYS				354	354	353	355	357	360	360	360	359	361	364	367	368	367	364	361	357	355	355	355	355	355	355	354	359						35
MEANS TEN DAYS ✱				354	355	356	358	360	363	364	359	354	353	354	357	359	359	361	360	357	354	352	352	352	352	353	353	356						27
MEANS FIVE DAYS † (G. M. T.)				354	354	354	356	357	360	362	360	358	358	359	361	364	363	362	359	355	353	352 / 353	352 / 352	352	353	353	354	357						
MEANS FIVE DAYS ‡ (G. M. T.)				354	348	342	343	345	351	359	366	368	371	374	374	372	370	367	363	361	362	363	360	357	358	358	356	360						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 321

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1944 — MAY 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	352	350	356	362	368	369	366	346	332	333	331	330	340	336	346	356	356	356	360	358	356	352	351	349	350	1	5	28	372	10 47	318	54
2			✓	339	343	353	358	358	356	362	358	359	357	360	358	366	379	378	368	359	350	350	350	349	351	348	348	357	1	13	48	384	0 53	336	48
3				347	351	350	353	356	361	362	359	359	359	362	364	369	376	368	358	353	351	351	349	350	349	350	350	357	0	13	10	377	0 27	346	31
4			✓	351	352	353	355	357	359	358	352	356	357	364	366	371	366	359	349	352	354	356	356	350	356	355	353	357	1	12	30	376	16 07	341	35
5				351	349	352	351	352	349	356	363	366	366	362	362	363	355	357	351	350	349	349	350	347	351	353	352	354	0	7	16	371	20 27	346	25
6			✓	354	353	353	356	355	356	356	358	360	359	360	363	366	366	367	366	360	353	350	349	349	351	351	350	357	0	12	54	369	23 07	348	21
7				350	345	343	350	356	360	366	366	361	357	353	352	360	363	359	350	348	350	349	349	351	349	351	350	354	0	6	43	370	1 43	339	31
8				348	352	351	352	356	359	364	362	356	351	349	350	354	362	362	359	352	349	349	350	349	350	350	350	354	0	6	37	366	0 28	347	19
9				349	349	350	352	356	362	362	359	353	356	358	356	361	375	369	357	347	345	348	349	350	350	349	349	355	0	13	34	379	17 20	342	37
10	✓			348	349	349	351	353	357	356	356	349	340	340	342	352	359	360	353	343	343	341	348	350	350	350	350	350	0	14	00	362	9 56	338	24
11				351	352	352	353	358	361	367	368	362	354	351	347	349	352	359	353	346	342	346	343	347	350	350	351	353	0	6	56	371	17 20	341	30
12				351	351	351	352	353	359	365	362	361	360	363	362	358	361	360	351	343	342	345	346	346	348	349	349	354	0	6	40	370	17 30	341	29
13	✓	✓		349	350	350	351	355	355	352	351	347	347	349	349	356	361	367	361	349	343	343	343	343	344	345	347	350	0	14	30	371	17 30	341	30
14	✓			347	348	351	356	357	360	366	366	358	360	368	366	362	367	365	356	346	343	345	342	348	349	347	346	355	0	10	40	369	19 19	341	28
15				347	345	349	352	358	364	375	375	367	365	362	366	366	363	362	355	345	341	345	347	347	348	348	347	356	0	6	41	379	17 10	339	40
16	✓	✓		349	350	350	352	356	360	363	362	361	352	353	360	369	371	371	365	348	343	345	345	346	347	347	346	355	0	12	53	372	17 30	342	30
17	✓			347	349	351	353	357	359	356	356	352	346	352	364	378	372	369	359	350	347	347	347	347	347	349	349	354	0	12	40	379	9 40	344	35
18	✓	✓		348	349	350	352	356	357	358	347	333	328	335	341	345	353	359	359	354	346	342	340	342	345	346	348	347	0	15	00	361	9 30	327	34
19	✓			349	349	352	355	356	359	363	360	347	332	329	331	341	357	362	358	350	340	340	341	343	344	345	346	348	0	6	35	366	10 34	328	38
20	✓	✓		347	348	350	352	355	356	358	350	339	330	330	340	350	351	356	360	355	348	343	343	344	346	346	347	348	0	15	30	362	9 40	329	33
21	✓	✓		347	347	348	351	355	361	368	361	349	338	330	329	332	342	347	347	346	346	346	347	347	347	347	347	347	0	6	50	370	11 23	328	42
22	✓			349	349	352	355	357	360	368	367	360	349	339	339	338	336	340	342	342	339	340	342	343	346	347	346	348	0	7	05	375	13 23	334	41
23				347	351	356	358	359	361	366	363	352	351	350	348	343	347	355	356	349	343	342	342	346	349	349	350	351	0	6	35	369	19 35	340	29
24				352	356	353	346	350	351	350	351	346	342	339	339	343	348	349	347	349	347	345	345	347	348	348	346	347	0	1	57	358	11 01	336	22
25				346	347	350	352	358	362	370	371	365	356	349	353	356	352	356	355	348	340	343	348	350	350	349	346	353	0	6	57	373	17 47	339	34
26				347	346	347	349	352	357	362	366	361	352	348	348	349	351	363	352	342	339	342	345	346	347	349	349	350	0	7	26	370	17 54	338	32
27				347	347	349	349	355	358	352	352	348	339	338	347	354	357	365	358	347	342	342	343	346	346	346	348	349	0	14	30	367	10 23	332	35
28				348	347	348	347	350	352	353	351	346	340	333	334	340	360	362	353	346	342	349	348	349	350	349	347	348	0	14	20	363	10 58	330	33
29			✓	347	346	346	343	346	348	355	368	369	365	368	371	373	367	352	347	339	335	347	347	349	349	350	350	353	1	11	02	378	17 03	330	48
30				347	347	342	349	352	356	359	365	360	359	357	356	359	356	356	355	350	348	347	347	347	347	347	346	352	0	7	22	368	2 17	338	30
31				347	346	346	349	350	351	352	355	354	349	342	341	345	357	360	351	349	346	341	346	348	348	347	347	349	0	14	06	364	10 56	333	31
MEANS ALL DAYS				348	349	350	352	355	358	361	360	354	350	349	351	355	359	360	355	349	345	346	347	347	349	349	348	352							33
MEANS TEN DAYS *				348	349	350	353	356	358	361	358	350	342	342	346	352	357	360	356	348	344	343	344	345	346	347	347	350							34
MEANS FIVE DAYS † (G. M. T.)				348	349	350	352	355	358	360	354	346	339	339	344	350	356	360	358	350	345	344 344	345 344	345	347	347	348	350							
MEANS FIVE DAYS ‡ (G. M. T.)				349	349	352	355	357	358	359	356	355	354	357	358	363	363	360	357	353	350	353	351	350	350	351	350	355							

DESIGNATIONS AND REMARKS

* = TEN EAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 322

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1944

JUNE 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1	✓			347	349	349	351	355	359	368	367	358	348	339	337	337	330	337	342	346	342	343	344	346	346	347	347	347	0	7 00	370	13 05	329	41
2	✓			346	349	350	350	351	357	361	369	364	359	357	357	356	354	350	349	347	341	347	343	344	345	346	347	352	0	7 35	370	17 26	340	30
3	✓	✓		347	346	345	348	352	357	361	359	351	349	349	350	358	364	367	356	348	346	342	343	344	345	344	346	351	0	14 10	369	18 10	341	28
4				347	348	349	351	355	359	361	366	359	350	349	346	351	358	353	350	341	339	343	341	341	341	342	341	349	0	7 26	369	17 02	337	32
5				344	346	348	347	348	350	359	360	355	358	359	354	349	348	351	351	347	343	346	343	348	348	347	347	350	0	6 54	364	17 10	341	23
6	✓			348	349	349	351	352	357	360	369	368	363	368	378	381	370	367	351	339	340	341	343	345	347	345	345	355	0	12 14	384	17 00	338	46
7	✓	✓		346	347	347	348	350	356	364	371	364	351	349	350	351	357	353	347	339	338	341	340	341	341	345	346	349	0	7 45	376	17 00	338	38
8	✓	✓		347	348	348	350	351	358	362	371	370	370	369	367	361	353	344	345	339	338	339	339	339	339	344	348	352	0	7 23	376	17 10	337	39
9				349	350	351	351	352	357	367	371	366	364	361	359	358	352	349	343	341	339	340	339	340	344	345	347	351	0	7 14	376	19 40	338	38
10	✓	✓		348	349	350	350	353	357	360	359	349	345	343	339	348	353	361	361	347	337	338	341	344	343	347	347	349	0	6 54	365	17 16	336	29
11				348	349	349	350	350	359	367	371	369	361	361	359	359	350	350	356	348	340	341	343	343	343	346	345	352	0	7 20	376	17 30	339	37
12	✓	✓		347	348	347	351	353	357	359	359	349	342	341	343	350	359	357	350	344	341	339	341	340	341	342	345	348	0	13 50	360	18 55	338	22
13				346	347	348	349	353	356	358	353	349	341	334	337	348	350	351	351	347	339	340	342	345	347	346	342	347	0	6 20	359	10 20	329	30
14				346	347	349	349	350	357	365	366	347	340	339	340	352	359	360	359	349	339	340	348	350	348	343	349	350	0	7 20	374	10 00	334	40
15			✓	344	348	349	350	353	359	374	378	362	349	337	332	331	339	334	334	339	339	347	347	347	347	347	343	347	0	6 50	383	12 14	329	54
16				347	345	346	347	351	361	369	370	359	339	335	333	339	346	347	341	339	339	341	343	342	344	347	348	347	0	7 02	376	11 28	330	46
17				348	349	350	349	352	356	366	370	366	358	349	357	354	350	349	349	346	341	339	338	339	341	343	342	350	0	7 12	373	19 53	337	36
18				344	346	347	349	349	356	370	371	359	348	344	339	338	341	349	349	343	337	339	339	341	342	348	348	347	0	6 55	378	17 27	334	44
19				348	348	349	350	356	359	363	365	350	337	329	334	347	349	349	340	338	334	337	340	342	345	345	346	346	0	6 50	369	10 20	328	41
20				345	341	349	352	356	358	367	368	358	340	336	339	349	357	347	341	334	332	333	337	339	339	341	344	346	0	7 00	371	17 05	329	42
21			✓	344	349	347	349	353	359	369	379	373	359	350	347	340	349	349	344	339	338	339	341	347	342	348	342	350	1	7 42	381	18 04	329	52
22			✓	343	344	348	341	334	345	359	372	374	369	354	343	339	339	334	333	330	331	339	348	348	349	349	349	346	0	7 50	377	16 00	329	48
23			✓	346	343	339	344	348	349	359	370	372	367	357	343	349	349	348	348	348	339	341	341	341	344	343	342	349	0	8 23	379	11 46	337	42
24	✓			345	347	348	349	349	353	359	361	359	354	345	343	347	349	353	352	341	339	340	340	340	341	345	347	348	0	7 52	367	17 16	338	29
25	✓			348	348	348	349	349	353	358	360	355	345	339	332	330	329	332	330	331	330	339	341	343	344	343	346	343	0	7 40	361	14 03	327	34
26			✓	346	349	350	351	350	354	363	370	370	371	363	350	348	351	355	353	346	341	341	345	344	347	347	346	352	1	9 07	380	17 26	340	40
27				346	346	345	342	345	348	349	359	360	360	361	360	351	345	341	343	341	337	340	341	341	343	345	346	347	0	10 23	364	17 42	335	29
28				344	344	344	344	345	346	346	351	350	349	355	363	363	361	363	359	344	336	339	341	341	344	345	341	348	0	11 15	366	17 15	331	35
29				335	344	344	347	350	351	356	357	346	337	330	333	339	339	346	342	331	335	339	340	341	341	342	344	342	0	7 08	361	10 55	328	33
30				346	347	347	349	352	351	357	364	349	349	352	352	357	361	362	357	343	339	340	340	342	342	343	345	349	0	14 10	366	17 30	338	28
31																																		
MEANS ALL DAYS				346	347	348	349	351	355	362	366	359	352	348	347	349	350	350	348	342	338	340	342	343	344	345	345	349						37
MEANS TEN DAYS ✱				347	348	348	350	352	356	361	364	359	353	350	350	352	352	352	348	342	339	341	342	343	343	345	346	349						34
MEANS FIVE DAYS † (G. M. T.)				347	348	347	349	352	357	361	364	357	351	350	350	354	357	356	352	343	340	342 342 340 341		343	344	345	346	350						
MEANS FIVE DAYS ‡ (G. M. T.)				345	347	347	347	348	353	365	374	370	363	352	343	341	345	344	342	340	338	341	343	345	344	345	346	349						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 323

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1944 — JULY 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				345	346	347	348	350	352	365	370	369	349	340	342	350	350	350	344	335	332	337	340	341	342	341	340	347	0	7 20	373	17 04	330	43
2				342	344	348	350	352	353	355	359	350	335	333	335	352	358	349	350	340	336	339	339	340	341	342	342	345	0	13 10	362	9 46	329	33
3				342	344	348	351	358	361	368	370	360	352	341	343	348	350	359	359	344	332	330	331	337	344	344	344	348	0	7 25	371	17 55	329	42
4	✓			346	347	348	350	354	357	366	361	351	340	333	335	345	341	335	334	337	340	340	340	341	342	345	347	345	0	6 30	370	10 50	330	40
5				348	348	347	348	350	353	362	368	363	360	360	357	360	371	362	350	340	339	338	338	339	340	341	342	351	0	13 50	374	17 10	336	38
6				340	344	343	344	349	352	361	360	355	350	350	344	340	341	339	334	330	328	330	332	339	347	348	350	344	0	6 54	370	17 20	327	43
7				348	349	350	351	354	358	360	362	358	347	340	335	331	330	340	344	340	332	339	340	340	341	343	345	345	0	7 37	365	13 10	329	36
8	✓			344	345	348	350	350	352	362	371	369	359	350	353	355	350	350	350	340	330	331	332	340	343	344	344	348	0	7 56	375	17 35	329	46
9			✓	349	350	349	342	348	350	354	370	373	364	359	351	343	335	331	331	329	330	338	340	342	344	345	346	346	0	8 20	380	16 13	328	52
10				345	347	348	349	350	351	360	370	371	370	361	359	359	358	349	339	329	328	337	340	340	341	342	345	350	0	8 46	375	17 10	326	49
11	✓			341	342	341	345	349	350	353	361	369	369	360	360	359	350	343	345	340	340	335	338	339	340	342	342	348	0	9 30	370	18 16	334	36
12	✓			343	345	345	346	348	350	356	362	364	359	353	351	351	353	348	334	329	327	330	333	338	339	342	343	345	0	8 27	367	17 21	326	41
13				342	342	343	346	347	351	355	359	358	349	341	340	334	331	338	341	340	336	332	339	341	340	342	343	343	0	7 39	360	13 27	329	31
14				343	342	342	345	349	348	352	353	353	348	345	348	351	353	347	343	338	334	332	335	338	340	340	341	344	0	7 20	357	18 47	329	28
15			✓	343	339	340	348	350	354	361	369	370	360	351	354	352	342	340	340	340	339	340	340	340	341	342	342	347	0	8 15	373	1 48	334	39
16				344	344	345	350	350	356	365	368	360	359	360	360	357	342	339	331	330	330	332	337	337	340	340	340	346	0	6 46	373	17 05	329	44
17				342	341	344	349	351	353	360	367	368	364	360	358	359	354	347	344	341	339	333	339	341	341	342	343	349	0	8 10	370	18 05	332	38
18				343	344	347	349	350	352	353	350	348	340	335	339	348	355	351	342	339	334	332	340	342	346	344	344	344	0	13 44	360	18 50	330	30
19			✓	342	342	343	346	352	354	357	358	346	338	340	348	359	375	377	357	339	329	331	331	334	339	340	341	347	0	13 55	380	17 55	328	52
20			✓	340	341	342	343	345	350	352	353	350	345	336	330	331	338	342	347	345	344	341	339	339	340	341	341	342	0	7 36	358	11 57	329	29
21			✓	341	340	342	344	349	350	347	344	340	339	343	355	361	358	359	360	350	344	342	340	340	340	340	341	346	0	12 55	364	9 27	338	26
22				343	343	342	347	349	352	357	350	340	328	326	331	347	357	356	350	340	337	340	341	340	340	342	342	343	0	13 40	360	10 53	323	37
23	✓			343	341	343	342	346	350	352	350	345	339	336	338	350	357	363	362	354	347	340	339	340	340	340	341	346	0	15 10	365	10 36	332	33
24	✓	✓		341	341	343	345	348	350	353	350	340	331	324	321	330	330	333	339	341	337	339	339	340	340	341	342	339	0	6 30	356	11 23	320	36
25	✓	✓		342	342	342	343	346	349	356	362	362	359	360	354	349	345	339	340	340	332	334	336	338	339	339	340	345	0	7 19	365	17 40	331	34
26	✓	✓		340	341	342	34[illegible]	[illegible]47	349	350	351	345	341	341	349	355	352	348	343	339	331	332	339	338	339	340	340	343	0	12 37	357	17 50	329	28
27	✓	✓		340	341	343	34[illegible]	346	349	358	365	359	350	345	346	349	345	338	338	337	335	336	339	339	340	341	342	344	0	7 22	366	17 11	334	32
28	✓	✓		342	342	343	344	345	348	355	353	340	322	319	320	328	330	330	330	329	327	330	334	336	339	340	340	336	0	6 31	357	10 08	318	39
29				341	343	344	347	349	351	361	362	348	335	330	327	330	337	339	332	334	330	333	337	340	340	339	340	340	0	6 50	368	11 33	324	44
30				341	342	345	344	350	355	357	352	343	334	330	336	340	336	331	330	332	335	339	339	340	340	339	340	340	0	6 05	359	10 42	328	31
31				337	343	349	350	351	353	357	359	360	359	350	351	353	351	357	352	345	334	330	331	333	339	339	340	347	0	7 36	362	17 53	328	34
MEANS ALL DAYS				343	343	345	347	349	352	357	360	356	348	344	344	348	348	346	343	338	334	335	337	339	341	342	342	345						38
MEANS TEN DAYS ✱				342	343	344	345	348	350	356	359	354	347	342	343	347	345	343	342	339	335	335	337	339	340	341	342	344						36
MEANS FIVE DAYS † (G. M. T.)				341	341	343	344	346	349	354	356	349	341	338	338	342	340	338	338	337	332	336 334	338 337	339	340	340	341	342						
MEANS FIVE DAYS ‡ (G. M. T.)				343	342	343	345	349	352	354	359	356	349	346	348	349	350	350	347	341	337	338	335	339	342	342	342	346						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 324

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1944 — AUGUST 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				340	340	340	344	346	350	352	351	346	341	342	350	356	355	349	345	340	334	335	336	337	338	339	342	344	0	12	30	361	17 48	333	28
2			✓	341	341	342	346	351	351	350	347	341	340	336	334	344	355	347	342	352	350	351	353	354	353	327	339	345	1	13	50	361	22 30	318	43
3			✓	344	341	332	343	347	353	374	380	377	363	357	352	350	345	339	335	335	332	340	343	344	344	341	343	348	1	7	32	385	2 50	326	59
4				344	343	344	347	349	352	350	352	352	342	341	353	352	350	351	353	351	344	342	342	341	339	341	342	347	0	8	09	356	21 36	337	19
5				342	343	344	347	350	352	357	362	367	362	359	352	348	336	332	332	339	339	339	337	337	339	340	341	346	0	8	36	371	14 30	330	41
6				342	344	345	345	347	353	362	363	362	354	351	352	353	347	345	337	336	337	338	337	337	338	339	341	346	0	7	00	369	16 40	333	36
7	✓			342	344	346	348	351	353	361	369	370	373	374	366	350	340	341	342	336	333	337	334	337	337	339	340	348	0	10	15	381	17 05	332	49
8				341	342	344	347	351	353	355	361	357	353	360	361	359	341	335	332	332	332	332	332	332	338	340	341	345	0	7	30	366	17 15	331	35
9				342	344	345	345	347	350	353	364	366	362	364	370	366	351	337	331	334	336	337	335	335	336	337	337	347	0	11	39	371	15 08	330	41
10				337	335	335	341	341	340	345	350	352	346	346	355	362	357	346	336	331	332	332	335	339	339	339	342	342	0	12	38	364	16 51	330	34
11				343	342	340	341	343	343	342	340	334	329	334	346	357	360	356	348	340	336	330	332	334	335	329	336	340	0	12	44	362	22 20	325	37
12				337	337	340	343	346	350	352	356	353	349	340	339	341	344	341	326	325	326	330	334	334	335	340	339	340	0	7	20	360	16 43	324	36
13	✓			340	342	344	346	350	351	350	347	336	327	330	334	337	339	346	348	346	336	336	335	335	337	337	338	340	0	5	42	352	9 46	326	26
14	✓			340	340	341	343	346	350	359	354	336	324	320	329	334	336	334	330	327	327	327	328	330	331	334	336	336	0	6	43	363	9 58	315	48
15				339	341	344	347	350	354	357	346	330	316	316	320	330	334	336	339	346	339	336	335	338	338	338	338	338	0	6	02	358	10 30	312	46
16				338	338	340	342	346	350	357	357	348	335	327	328	335	341	339	340	337	331	335	334	336	335	337	339	339	0	6	24	360	10 06	326	34
17	✓			339	340	341	345	347	353	367	367	361	356	349	340	341	342	348	342	337	332	331	331	332	333	334	337	344	0	6	40	371	18 43	330	41
18			✓	337	332	331	327	340	346	359	363	360	352	347	341	330	326	332	336	333	336	339	342	343	344	340	337	341	1	7	35	370	3 30	321	49
19				337	337	338	337	343	351	357	357	356	353	347	341	341	340	341	345	343	336	337	337	336	339	338	337	343	0	6	29	360	17 40	333	27
20	✓	✓		336	336	337	339	342	344	346	346	350	343	340	339	341	350	354	349	341	336	336	336	337	337	338	338	341	0	14	03	357	18 00	334	23
21	✓	✓		337	337	338	342	345	347	348	347	346	344	345	346	342	342	349	349	343	337	337	335	337	339	339	337	342	0	14	28	351	19 39	334	17
22	✓			337	336	336	339	339	340	347	347	347	345	345	342	345	352	353	352	343	337	337	340	339	337	336	336	342	0	14	00	355	17 22	334	21
23				336	333	336	338	337	346	347	345	340	342	340	341	341	346	347	351	347	339	338	335	335	336	336	334	340	0	15	10	353	1 40	330	23
24				330	330	333	336	339	345	356	363	357	346	335	340	353	357	353	347	340	331	336	338	338	338	339	337	342	0	7	10	370	1 13	328	42
25	✓	✓		336	336	337	338	346	348	352	356	352	350	349	354	357	357	357	352	348	347	341	336	336	337	338	337	346	0	13	20	359	1 10	335	24
26	✓	✓		337	337	338	342	347	354	358	351	342	337	329	328	329	337	348	350	343	337	337	337	336	337	337	336	340	0	6	10	361	11 12	327	34
27				335	338	340	343	349	353	362	359	352	347	346	342	342	348	351	343	337	330	331	331	331	332	334	336	342	0	6	30	365	17 40	328	37
28			✓	337	327	318	340	349	357	364	368	360	359	351	338	343	352	354	352	342	337	337	336	334	335	336	336	344	0	7	50	379	2 37	316	63
29	✓	✓		337	339	341	342	346	350	359	356	351	336	325	322	318	326	340	348	344	332	331	330	332	336	336	336	338	1	6	10	361	12 27	316	45
30				337	338	341	345	347	351	356	357	347	332	322	317	328	342	345	335	327	327	330	331	331	332	332	332	337	0	6	58	361	11 04	316	45
31			✓	336	339	341	340	343	349	355	367	362	355	351	350	346	346	351	341	332	327	333	331	331	335	336	337	343	0	7	35	370	17 38	326	44
MEANS ALL DAYS				339	338	339	342	346	350	355	356	352	346	343	343	344	345	345	342	339	335	336	336	336	337	337	338	342							37
MEANS TEN DAYS #				338	339	340	342	346	349	355	354	349	344	341	340	339	342	347	346	341	335	335	334	335	336	337	337	342							33
MEANS FIVE DAYS † (G. M. T.)				337	337	338	341	345	349	353	351	348	342	338	338	337	342	350	350	344	338	337 336	337 335	336	337	338	337	342							
MEANS FIVE DAYS ‡ (G. M. T.)				339	336	333	339	346	351	360	365	360	354	348	343	343	345	345	341	339	336	340	336	337	338	333	337	344							

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Z̄ = NO RECORD

TABLE 325

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1944 — SEPTEMBER 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				337	336	337	341	343	346	352	345	335	322	317	327	337	348	357	355	347	341	337	341	339	339	335	333	339	0	14 40	359	9 48	313	46
2			✓	327	321	330	332	343	347	351	342	348	344	333	331	333	334	337	338	331	327	329	335	336	339	339	338	336	1	6 11	357	1 42	318	39
3				340	339	338	339	344	343	344	344	340	331	327	329	334	339	345	349	346	341	337	336	335	336	337	337	339	0	16 00	351	10 56	323	28
4	✓			336	336	335	337	341	345	356	355	352	347	346	344	340	340	347	349	342	336	338	336	335	335	336	336	342	0	6 46	359	17 20	333	26
5	✓			337	337	338	341	343	350	361	363	357	356	363	367	372	371	359	350	341	337	337	335	334	335	334	334	348	0	12 54	374	22 57	332	42
6	✓			334	335	335	338	341	347	353	359	356	346	346	346	351	346	335	328	325	325	328	332	332	334	332	333	339	0	7 40	362	16 30	323	39
7				330	328	333	337	346	349	357	362	362	356	346	346	346	339	335	336	335	335	336	336	334	336	332	335	341	0	7 40	364	1 08	325	39
8				335	336	335	338	341	347	347	341	339	333	323	330	343	339	331	327	329	333	334	332	332	332	335	334	335	0	5 44	348	10 55	321	27
9	✓	✓		332	333	336	337	339	340	339	335	333	329	334	342	357	361	355	343	331	330	329	329	331	331	334	335	337	0	13 00	363	9 50	328	35
10				336	336	335	337	341	342	345	338	336	327	327	336	346	351	349	346	339	333	335	333	332	332	333	333	337	0	13 33	353	9 50	324	29
11				336	336	336	339	343	347	354	352	347	336	327	327	336	338	337	339	337	334	334	333	336	331	330	328	337	0	6 41	358	10 30	322	36
12				329	327	331	332	340	344	346	346	340	328	326	341	351	357	356	349	346	337	335	330	332	334	334	335	339	0	14 05	360	10 16	321	39
13	✓			334	334	335	336	337	342	351	347	339	331	327	328	336	336	337	335	332	331	335	335	336	335	332	331	336	0	6 50	355	10 24	325	30
14				330	331	334	336	336	338	351	352	356	350	347	343	340	340	337	337	331	327	330	332	335	335	334	329	338	0	8 42	363	17 13	326	37
15	✓	✓		328	328	332	333	335	337	336	335	335	336	328	329	340	346	345	338	332	328	328	329	332	332	332	333	334	0	14 00	347	11 02	326	21
16	✓	✓		333	333	336	337	338	337	332	327	327	329	333	337	347	346	342	339	336	327	330	333	334	335	336	336	335	0	13 10	350	8 10	324	26
17	✓	✓		334	334	331	333	333	333	335	337	341	338	343	348	350	351	350	350	347	337	332	335	335	332	333	330	338	0	11 44	357	23 56	326	31
18				327	327	328	330	336	337	342	340	337	335	333	336	339	344	346	343	337	334	332	336	336	336	335	335	336	0	13 40	348	2 30	325	23
19	✓	✓		333	331	333	336	337	339	339	338	337	336	336	335	337	337	333	335	332	329	333	335	335	334	334	332	335	0	6 10	341	17 20	328	13
20				332	332	332	332	335	339	346	347	345	345	344	344	337	328	325	326	324	322	323	333	330	328	333	336	334	0	7 58	351	17 15	316	35
21			✓	335	334	333	335	338	345	350	356	357	358	359	360	347	346	346	341	329	327	331	332	332	334	335	333	341	0	11 00	362	17 00	326	36
22				332	331	332	331	333	336	338	337	338	341	340	335	332	330	331	331	330	332	343	338	340	338	334	331	335	0	18 44	348	15 58	328	20
23				329	327	328	329	333	331	331	333	334	330	329	334	340	343	337	327	327	331	336	333	334	337	337	336	333	0	13 23	344	20 06	325	19
24			✓	337	334	337	335	335	338	340	345	355	356	357	360	363	361	351	345	337	327	330	332	330	331	332	330	342	0	12 20	365	17 30	326	39
25				328	329	332	334	335	332	327	325	321	322	332	346	356	361	356	349	341	335	332	332	333	331	331	330	335	0	13 40	367	9 20	317	50
26				330	330	331	333	336	335	335	337	339	337	342	348	359	365	361	350	337	333	331	331	331	332	331	332	339	0	13 50	367	0 34	328	39
27			✓	329	328	331	329	334	330	318	307	305	308	326	346	353	348	343	338	337	334	332	335	335	335	330	331	331	0	12 23	357	8 20	303	54
28	✓			330	331	332	335	334	333	335	331	328	327	331	334	330	330	330	330	331	328	329	332	331	331	329	330	331	0	10 57	341	9 03	324	17
29				330	329	331	332	332	333	340	346	349	351	361	361	357	353	350	342	333	330	330	334	334	334	336	334	340	0	10 51	365	17 26	327	38
30			✓	332	331	331	331	332	331	331	335	340	342	346	346	349	351	351	341	336	331	327	332	338	338	339	339	338	1	13 53	360	18 26	323	37
31																																		
MEANS ALL DAYS				332	332	333	335	338	340	343	342	341	338	338	341	345	346	344	340	335	332	332	334	334	334	334	333	337						33
MEANS TEN DAYS *				333	333	334	336	338	340	344	343	340	338	339	341	346	346	343	340	335	331	332	333	334	333	333	333	337						28
MEANS FIVE DAYS † (G. M. T.)				332	332	334	335	336	337	336	334	335	334	335	338	346	348	345	341	336	330	331 330	332 332	334	334	334	333	336						
MEANS FIVE DAYS ‡ (G. M. T.)				332	330	332	332	336	338	338	337	341	342	344	349	349	348	346	341	334	329	330	334	334	334	334	334	337						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE, MAGNETIC STORM
= INTERPOLATED
= ESTIMATED
= LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 326

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1944 — OCTOBER 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	335	334	331	331	332	333	336	342	344	333	331	342	345	341	332	326	326	327	331	334	330	334	336	334	334	0	11	50	352	16	14	323	29
2				334	332	331	332	334	331	326	325	322	321	335	355	359	351	350	349	344	335	336	336	335	334	333	327	336	0	12	36	363	9	25	315	48
3				325	327	329	329	330	330	326	325	327	326	326	336	346	339	341	337	329	327	333	334	335	331	335	334	332	0	12	34	349	10	04	316	33
4				333	333	333	334	335	334	327	329	335	339	350	366	369	359	357	336	327	322	325	327	329	330	330	331	337	0	12	00	374	17	27	320	54
5	✓	✓		331	331	331	331	333	330	330	341	350	357	367	371	369	364	351	337	326	325	327	332	330	332	327	326	340	0	11	39	376	17	30	323	53
6				323	321	326	329	333	331	327	327	329	335	346	367	377	375	357	340	329	326	329	336	335	334	334	330	337	0	11	56	384	1	11	318	66
7	✓			330	330	331	332	335	337	331	330	329	336	342	350	357	366	359	342	330	326	324	330	331	332	332	334	336	0	13	36	368	18	15	323	45
8	✓	✓		330	328	329	330	330	330	326	317	315	315	319	327	333	337	337	338	335	328	330	334	334	335	336	334	329	0	15	46	343	8	30	312	31
9	✓	✓		330	329	328	330	332	331	326	321	317	317	326	336	337	337	341	335	327	327	328	333	333	331	329	329	330	0	14	30	345	8	28	315	30
10				329	327	327	329	332	330	325	320	318	320	326	335	347	357	350	336	333	336	344	350	348	344	337	333	335	0	13	50	361	8	54	315	46
11			✓	326	324	325	328	327	325	317	315	314	316	322	321	337	351	357	350	338	335	335	337	337	337	335	334	331	1	14	15	362	10	49	304	58
12				332	329	330	334	337	336	330	318	316	315	319	328	339	345	344	337	336	330	329	332	335	334	334	331	331	0	13	56	347	9	18	312	35
13				328	328	328	330	333	333	325	327	333	337	347	355	359	359	364	354	337	336	337	334	334	331	329	327	338	0	14	40	366	6	55	324	42
14			✓	326	320	325	327	326	320	305	302	296	297	307	308	322	336	337	346	344	352	366	364	358	355	336	327	329	1	19	07	374	9	05	294	80
15			✓	329	329	330	328	329	335	336	338	344	347	355	359	356	363	355	345	345	345	343	345	340	336	335	331	342	1	13	51	366	3	26	326	40
16				329	322	324	327	327	332	329	336	341	346	348	350	355	355	349	342	338	337	339	338	337	336	335	332	338	0	13	00	356	1	52	321	35
17				328	327	327	327	330	331	329	336	337	345	357	370	370	357	345	330	324	326	336	337	337	336	334	333	338	0	12	10	374	16	20	321	53
18				335	330	327	332	336	335	331	334	338	350	361	364	361	352	347	336	329	327	329	330	331	329	327	328	337	0	11	06	367	2	20	325	42
19	✓	✓		327	328	331	334	335	335	326	326	327	338	349	353	353	345	335	326	323	326	330	332	332	333	330	328	333	0	11	50	355	16	35	322	33
20	✓			327	328	327	328	330	327	317	324	328	332	341	356	365	361	350	339	328	327	331	335	336	335	329	328	335	0	12	32	369	6	26	316	53
21	✓	✓		327	327	325	326	327	325	307	306	309	318	331	346	347	345	336	327	327	330	332	335	335	333	332	331	328	0	11	50	352	7	12	302	50
22	✓			328	328	326	326	326	327	325	327	327	336	347	355	347	350	346	331	321	326	328	332	333	331	330	327	332	0	11	24	359	16	43	319	40
23				327	326	325	321	326	326	327	328	329	334	347	346	346	346	337	346	346	345	342	339	337	328	327	327	334	0	11	20	354	3	32	319	35
24			✓	327	326	321	325	327	328	325	317	317	327	328	327	328	335	335	331	330	329	334	332	333	334	332	334	328	1	14	02	338	8	21	315	23
25				334	332	331	333	335	330	318	311	315	326	339	354	355	355	346	335	329	327	329	332	337	331	331	331	333	0	13	20	359	7	50	307	52
26				327	319	326	328	333	332	322	320	321	332	347	356	362	357	346	327	321	327	327	331	331	331	330	328	333	0	12	06	365	1	20	316	49
27				329	327	327	327	328	326	317	316	317	327	341	350	346	341	334	321	319	327	328	331	331	331	330	328	329	0	11	10	352	7	30	314	38
28				327	327	327	327	328	327	321	321	327	340	350	356	348	347	337	325	322	324	329	330	332	331	328	327	332	0	11	58	360	7	27	317	43
29	✓			327	325	327	327	325	323	318	317	317	327	337	337	341	347	349	347	337	327	327	332	331	331	329	327	330	0	14	30	354	8	00	312	42
30	✓			326	321	322	326	327	325	312	309	317	327	333	336	339	337	331	326	322	322	326	326	326	327	327	327	326	0	12	34	345	7	16	308	37
31				325	318	323	325	327	324	316	318	326	327	330	336	336	335	330	325	317	319	326	331	329	328	329	331	326	0	12	48	341	6	26	314	27
MEANS ALL DAYS				329	327	327	329	330	330	324	323	325	330	339	347	350	350	345	336	330	330	333	335	335	333	332	330	333								43
MEANS TEN DAYS *				328	328	328	329	330	329	322	322	324	330	339	347	349	349	344	335	328	326	328	332	332	332	330	329	332								41
MEANS FIVE DAYS (G. M. T.) †				329	329	329	330	331	330	323	322	324	329	338	347	348	346	340	333	328	327	328 329	331 333	332	332	331	331	332								
MEANS FIVE DAYS (G. M. T.) ‡				329	327	326	328	328	328	324	323	323	324	329	331	338	345	343	340	337	338	342	344	343	339	334	331	333								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 327

DECLINATION

NOVEMBER 1944

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			329	327	326	326	325	316	305	306	313	328	337	338	331	330	327	320	317	318	328	333	331	330	329	328	325	0	11	39	342	7 30	303	39
2				328	328	326	326	328	326	320	325	332	340	346	348	356	359	356	341	328	325	328	331	332	332	327	326	334	0	13	40	362	6 30	317	45
3				326	321	320	325	324	322	315	317	327	348	358	366	356	342	337	331	327	327	331	336	332	333	329	328	332	0	11	18	372	6 54	312	60
4			✓	323	319	316	316	319	320	317	326	345	366	375	372	376	362	342	333	328	326	328	333	335	332	331	324	336	0	10	48	386	2 57	312	74
5			✓	322	318	316	318	325	322	312	314	325	332	342	348	358	365	361	368	358	340	339	339	338	337	332	330	336	1	15	27	372	6 57	308	64
6			✓	328	323	318	311	319	316	302	301	317	328	342	346	352	351	348	340	331	329	332	335	335	332	332	331	329	0	12	20	357	7 14	298	59
7				328	325	325	324	322	329	330	331	336	342	344	346	346	349	352	338	326	325	331	330	332	330	329	327	333	0	14	00	353	4 20	321	32
8				325	322	318	318	321	319	311	318	327	338	347	358	362	359	351	337	326	325	331	333	332	336	331	328	332	0	12	20	363	6 27	308	55
9				323	322	321	316	322	321	317	318	327	340	351	362	365	366	356	338	327	321	328	330	331	331	329	327	333	0	13	29	369	3 51	315	54
10			✓	325	320	317	316	314	317	315	316	314	324	333	350	348	341	338	336	335	332	337	337	335	332	329	328	329	0	11	49	365	6 20	312	53
11				326	322	324	327	327	327	323	328	331	334	331	337	342	342	342	339	336	331	334	334	332	330	329	327	331	0	12	35	348	1 46	321	27
12	✓			321	319	319	320	322	322	315	318	334	347	347	347	348	342	334	331	327	328	331	333	332	331	329	328	330	0	12	30	349	6 25	311	38
13	✓	✓		324	323	321	321	321	327	325	320	318	321	331	332	325	320	321	329	327	326	329	331	330	330	326	326	325	0	11	00	336	8 25	316	20
14	✓			324	317	317	317	319	321	314	311	316	325	322	351	342	340	341	329	321	324	329	333	336	336	331	327	327	0	11	34	356	7 40	308	48
15	✓	✓		321	319	318	318	321	319	316	319	325	332	342	348	342	342	347	344	335	323	328	329	328	327	325	323	329	0	11	36	352	6 20	314	38
16				320	316	314	312	312	308	296	298	308	322	334	342	340	339	340	336	324	320	327	333	331	328	325	322	323	0	11	40	343	6 52	295	48
17	✓			321	319	318	317	318	315	308	311	320	332	333	342	340	341	332	333	332	332	332	337	334	332	327	321	327	0	11	37	345	7 00	307	38
18				318	316	313	314	319	319	312	316	324	331	328	331	331	329	322	317	317	330	334	337	333	334	327	326	324	0	19	30	338	6 46	309	29
19				321	318	317	316	317	319	318	322	322	332	333	336	335	340	336	324	322	326	332	334	331	328	321	316	326	0	12	00	342	3 10	312	30
20			✓	318	314	306	308	312	320	320	318	321	332	349	353	342	337	342	338	331	331	337	338	335	332	331	329	329	1	11	14	362	2 18	305	57
21	✓			327	326	323	323	324	319	313	316	323	334	331	332	338	331	328	324	326	325	332	334	332	330	329	328	327	0	12	30	342	6 20	311	31
22				325	324	325	324	324	322	315	312	315	325	331	338	338	335	334	328	325	327	333	335	332	328	324	322	327	0	12	00	343	7 20	311	32
23				320	319	318	320	322	319	321	331	345	354	361	362	358	353	347	328	321	324	330	332	334	332	332	329	334	0	11	00	368	2 39	317	51
24	✓	✓		328	326	321	319	321	319	315	328	348	353	356	360	362	341	327	313	312	318	328	328	327	325	322	321	330	0	12	10	368	16 49	311	57
25	✓	✓		320	318	318	318	318	311	300	310	322	318	327	327	318	319	322	320	326	321	328	330	331	328	327	323	321	0	20	16	332	6 15	299	33
26				322	321	322	319	321	322	322	338	343	343	343	348	338	328	322	319	318	322	328	328	328	325	324	323	328	0	11	42	351	3 46	316	35
27	✓	✓		323	320	321	322	322	318	312	317	327	334	332	332	337	322	313	309	308	312	321	326	328	325	326	327	322	0	12	30	340	16 58	307	33
28				330	330	329	328	326	319	307	308	320	322	327	332	331	329	328	322	325	327	332	332	332	330	328	320	326	0	11	40	334	6 55	303	31
29				318	318	318	318	319	316	306	302	309	318	329	342	341	331	326	321	321	327	332	333	333	331	325	324	323	0	11	36	346	7 24	301	45
30				319	317	316	316	318	317	307	308	316	332	337	331	331	331	332	324	322	323	329	333	332	332	326	321	324	0	10	31	341	6 30	304	37
31																																		
MEANS ALL DAYS				323	321	319	319	321	320	314	317	325	334	340	345	344	341	337	330	326	326	331	333	332	331	328	325	328							43
MEANS TEN DAYS ✱				324	321	320	320	321	319	312	316	325	332	336	341	338	333	329	325	323	323	329	331	331	329	327	325	326							38
MEANS FIVE DAYS † (G. M. T.)				323	321	320	320	321	319	314	319	328	332	338	340	337	329	326	323	322	320	329 327	331 329	331	330	328	326	326							
MEANS FIVE DAYS ‡ (G. M. T.)				323	319	315	314	318	319	313	315	324	336	348	354	355	351	346	343	337	332	335	334	333	332	328	325	331							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 328

DECLINATION

6° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1944 — DECEMBER 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				319	316	314	316	318	313	304	309	318	334	339	350	346	339	340	339	330	329	332	336	337	330	328	323	327	0	11	28	357	6 19	302	55
2				318	314	312	309	309	309	307	310	325	338	349	350	344	338	332	326	328	328	332	332	335	332	330	325	326	1	11	16	360	6 10	304	56
3				320	312	312	317	318	316	304	312	329	340	348	348	340	340	332	326	328	326	329	334	328	327	328	322	326	0	10	41	354	6 45	301	53
4	✓			322	319	317	318	319	316	308	313	326	335	344	352	344	339	328	319	320	323	332	332	331	331	325	325	327	0	11	20	357	6 20	307	50
5				322	319	314	314	314	313	302	303	311	316	322	334	341	335	325	321	322	324	331	333	331	330	331	330	322	0	12	08	344	6 52	299	45
6	✓			322	320	319	317	316	314	307	307	315	325	333	349	354	340	333	326	319	322	331	332	329	328	328	327	326	0	12	09	356	7 00	305	51
7	✓	✓		320	318	317	317	319	317	311	315	325	332	342	339	335	338	330	328	328	328	327	327	326	325	324	322	325	0	10	42	345	6 12	310	35
8	✓			317	316	313	315	318	314	305	307	317	328	332	334	329	328	326	324	322	326	329	331	333	333	331	327	323	0	11	20	336	6 46	302	34
9				322	320	319	317	317	310	308	313	324	333	342	339	332	332	318	316	313	318	328	334	334	332	333	330	324	0	10	35	347	6 32	306	41
10	✓	✓		328	324	322	321	321	316	312	322	337	340	336	343	347	348	346	338	336	329	329	332	331	327	322	320	330	0	12	52	352	6 05	309	43
11	✓	✓		318	318	317	318	318	317	306	310	312	316	320	324	328	317	311	311	317	320	328	332	332	331	328	325	320	0	20	26	334	6 20	304	30
12	✓			318	318	315	314	313	308	299	309	325	338	349	359	358	338	322	318	321	326	333	335	337	332	323	318	326	0	11	56	365	6 30	297	68
13			✓	313	309	308	312	308	306	298	308	308	316	339	348	348	328	336	332	327	332	337	337	329	328	327	322	323	2	12	06	373	6 40	294	79
14				316	310	309	318	321	320	312	329	348	354	359	362	360	348	339	332	329	327	328	328	327	326	324	323	331	0	11	58	371	0 50	306	65
15				318	317	318	320	319	317	313	333	347	339	349	358	358	348	338	328	322	326	328	332	328	322	319	322	330	0	11	46	364	6 02	308	56
16			✓	313	310	302	309	312	307	298	323	328	322	328	349	322	337	342	333	319	326	336	336	337	336	332	330	324	2	11	39	389	10 19	281	108
17			✓	318	320	308	311	319	321	318	339	360	373	398	395	392	373	358	356	333	334	344	343	343	342	338	332	344	2	10	08	408	2 45	303	105
18			✓	330	324	318	319	321	317	309	314	319	335	352	360	365	355	351	340	328	325	328	332	338	334	334	333	333	0	12	42	375	6 30	308	67
19				330	329	329	329	328	325	310	316	324	338	357	361	353	338	332	338	329	327	324	330	328	328	329	330	332	0	11	45	368	6 45	308	60
20				329	324	328	329	330	330	320	329	342	348	350	360	362	358	336	322	312	310	318	329	330	331	330	328	333	0	11	48	368	17 10	308	60
21				328	328	322	323	323	322	317	319	330	338	343	343	336	328	317	316	320	321	329	330	327	326	326	325	327	0	11	00	351	14 58	312	39
22				326	325	322	323	324	322	316	322	327	328	331	328	328	330	328	327	327	328	329	333	332	330	328	329	327	0	13	31	338	6 30	312	26
23	✓			327	326	321	319	321	321	317	318	324	327	339	349	343	330	328	330	331	329	327	328	329	328	326	327	328	0	11	52	356	6 20	313	43
24	✓	✓		327	327	327	326	327	326	318	318	318	322	336	338	331	327	328	319	317	319	324	330	332	330	329	329	326	0	10	31	348	8 56	316	32
25	✓	✓		331	328	328	328	327	326	322	328	328	331	338	340	338	339	336	324	320	320	322	327	329	329	329	329	329	0	11	02	347	6 10	318	29
26				325	326	324	324	324	319	309	317	326	328	329	322	316	308	312	319	318	323	329	334	339	332	325	321	323	1	20	11	344	13 10	303	41
27			✓	316	310	308	307	302	292	280	298	328	340	360	372	340	313	324	331	338	341	352	352	340	335	334	328	327	1	11	02	379	6 35	278	101
28				323	318	312	309	308	307	298	310	332	352	363	369	353	338	331	332	334	331	330	332	330	329	327	320	329	0	11	21	382	6 15	297	85
29				319	315	316	317	318	315	312	318	336	349	361	360	356	342	337	336	329	328	332	340	340	338	329	328	332	0	10	48	368	6 22	309	59
30				320	316	313	311	313	312	296	299	322	341	353	342	327	320	317	328	320	333	328	333	333	329	324	320	323	0	10	40	354	6 42	291	63
31				318	316	314	318	318	316	311	317	328	332	347	344	334	332	323	327	331	332	331	333	331	330	328	324	326	0	11	03	351	6 22	309	42
MEANS ALL DAYS				322	319	317	318	318	316	308	316	327	335	345	349	344	336	331	328	325	326	330	333	332	330	328	326	327							56
MEANS TEN DAYS ✱				323	321	320	319	320	318	310	315	323	329	337	343	341	334	329	324	323	324	328	331	331	329	326	325	326							42
MEANS FIVE DAYS † (G. M. T.)				325	323	322	322	322	320	314	319	324	328	334	337	336	334	330	324	324	323	328 326	331 330	331	329	328	327	326							
MEANS FIVE DAYS ‡ (G. M. T.)				318	315	309	312	312	309	301	316	329	337	355	365	353	341	342	338	329	332	339	336	337	333	327	325	330							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 329

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1944 — JANUARY 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				356	356	353	346	355	366	363	373	413	420	393	361	354	350	370	350	363	346	333	338	339	340	340	341	359	1	8	46	444	12 08	319	125
2				342	349	345	352	354	358	366	384	414	443	435	429	417	403	388	374	361	359	354	359	359	355	353	355	375	0	10	09	455	0 00	339	116
3	✓	✓		356	359	362	360	353	360	363	374	389	427	453	460	446	426	395	377	371	367	363	362	359	361	360	357	382	0	11	11	463	4 43	352	111
4	✓	✓		359	363	365	365	363	366	376	388	410	441	449	449	431	427	421	402	380	367	359	338	345	347	352	343	384	0	11	44	468	19 42	331	137
5				358	357	352	359	366	367	375	392	421	456	464	454	435	419	397	388	374	360	356	357	361	362	364	364	386	0	10	01	488	0 00	350	138
6	✓	✓		365	366	365	361	357	356	361	367	388	404	410	408	421	423	403	380	353	342	346	354	362	364	365	363	374	0	12	57	441	17 20	338	103
7	✓	✓		365	365	367	369	366	374	385	400	423	448	460	450	424	391	370	365	372	376	374	376	376	370	372	377	388	0	10	28	471	15 26	362	109
8	✓			374	372	366	370	368	374	382	392	408	432	448	428	417	408	389	367	352	355	361	360	360	360	366	375	383	0	10	21	456	16 26	350	106
9				378	380	380	381	381	381	385	401	427	457	461	453	421	387	354	341	348	353	351	359	363	367	371	372	386	0	11	04	471	15 24	338	133
10				376	376	381	388	385	386	389	411	450	487	507	506	492	460	436	375	372	330	303	345	349	347	328	347	397	0	10	12	519	17 59	277	242
11			✓	348	342	345	344	345	358	372	396	430	473	492	494	412	345	303	301	335	347	347	341	346	357	357	358	370	1	10	16	541	15 10	280	261
12				370	357	348	347	355	355	354	383	419	454	435	423	408	373	365	353	349	354	349	331	347	355	350	353	370	0	9	33	473	19 59	318	155
13			✓	343	356	349	347	353	362	368	387	394	422	450	451	418	376	320	313	336	347	352	351	353	359	359	357	368	1	11	43	472	14 50	290	182
14			✓	360	357	352	355	356	360	365	377	403	430	434	461	408	376	353	311	312	330	339	354	357	364	356	345	367	0	10	58	473	15 36	294	179
15			✓	346	354	350	349	354	355	363	373	412	449	440	461	432	396	338	337	328	327	329	341	358	349	353	360	369	1	9	46	491	15 07	313	178
16			✓	355	347	355	361	353	356	368	375	405	431	451	435	419	391	367	349	339	333	336	334	347	353	349	352	369	0	10	40	474	17 06	325	149
17				353	350	347	349	355	356	354	370	402	428	442	444	423	401	377	351	353	350	353	357	356	357	357	354	372	0	11	24	480	16 01	339	141
18				347	354	358	356	360	365	362	365	399	445	467	449	426	377	343	334	337	354	357	356	352	358	361	356	372	0	10	35	487	14 27	319	168
19				351	353	352	354	360	365	371	374	388	412	439	433	441	411	395	380	377	368	359	354	356	356	356	356	378	0	10	52	457	3 12	349	108
20				354	351	356	356	355	357	359	353	361	403	412	418	415	385	373	366	347	354	361	358	356	355	353	355	367	0	9	50	441	16 52	338	103
21	✓			355	354	353	356	356	362	361	352	363	378	407	434	452	447	438	417	394	375	364	354	350	357	357	358	379	0	12	50	463	7 30	347	116
22	✓			362	360	355	360	366	369	366	366	365	377	385	384	392	386	396	387	377	364	362	359	359	358	358	357	370	0	14	16	406	23 57	352	54
23				350	347	349	352	360	367	372	375	388	399	398	403	403	400	397	393	385	381	363	362	362	362	358	357	374	0	12	28	408	1 38	345	63
24				355	357	366	370	366	370	377	388	408	405	422	406	388	387	395	397	392	386	384	381	381	381	377	371	384	0	10	14	436	1 29	354	82
25	✓			367	370	375	374	378	376	373	383	403	410	414	407	376	368	373	383	378	376	373	370	368	369	367	367	379	0	10	08	436	14 14	362	74
26				368	370	374	375	377	375	385	400	456	497	522	501	459	433	390	339	313	297	319	326	329	341	352	349	385	0	9	54	553	17 21	290	263
27				342	341	346	350	357	361	366	372	418	466	498	503	467	418	336	314	328	348	351	349	351	361	358	358	377	0	11	44	513	15 20	308	205
28				352	357	363	363	364	363	366	387	419	456	472	474	456	432	391	358	346	344	352	352	347	347	350	353	382	0	11	35	488	17 04	339	149
29	✓			360	364	364	359	357	363	370	389	428	457	485	494	467	425	392	372	365	365	364	362	361	361	359	357	389	0	11	44	506	23 19	354	152
30	✓	✓		360	363	363	364	365	367	363	361	380	430	453	464	431	393	367	349	347	356	363	366	369	364	366	368	378	0	11	37	474	15 52	343	131
31				369	369	368	371	376	381	391	415	449	490	497	483	441	407	371	349	352	348	337	338	345	349	350	352	387	0	10	44	505	18 31	334	171
MEANS ALL DAYS				358	359	359	360	362	366	370	381	408	436	448	446	426	401	378	360	356	354	352	353	356	358	357	358	377							142
MEANS TEN DAYS ✱				362	364	364	364	363	36.7	370	377	396	420	436	438	426	409	394	380	369	364	363	360	361	361	362	362	381							109
MEANS FIVE DAYS † (G. M. T.)				361	363	364	364	361	365	370	378	398	430	445	446	431	412	391	375	365	362	357 361	359 359	360	361	360	359	381							
MEANS FIVE DAYS ‡ (G. M. T.)				350	351	350	351	352	358	367	382	409	441	453	460	418	377	336	322	330	337	341	344	353	355	349	352	368							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
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▽ = LAMP OUT
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⊼ = NO RECORD

TABLE 330

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1944 — FEBRUARY 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			354	353	354	356	360	362	367	377	401	419	431	437	436	399	358	337	337	346	355	360	359	356	350	350	371	0	12	13	457	15 52	332	125
2				361	356	355	366	363	362	367	369	384	406	430	442	455	450	434	409	377	353	355	356	357	356	356	356	382	0	12	23	464	0 00	349	115
3	✓	✓		359	360	361	362	362	362	370	376	394	409	414	407	395	383	380	382	384	379	376	373	373	370	365	373	378	0	10	37	419	0 00	357	62
4				369	371	377	375	378	379	394	411	426	436	447	424	374	348	356	374	383	380	378	373	374	373	373	370	385	0	10	17	467	12 50	327	140
5				371	375	373	374	379	386	400	418	440	467	475	480	457	408	362	343	341	344	358	359	362	371	371	367	391	0	11	57	487	15 18	337	150
6	✓			367	371	368	369	371	375	384	397	410	421	420	404	380	358	350	357	372	383	388	384	387	387	387	388	382	0	10	26	432	14 36	342	90
7			✓	385	366	361	362	350	366	365	363	365	318	301	346	335	353	361	337	311	309	304	324	335	325	331	338	342	1	8	33	434	10 52	256	178
8			✓	350	338	331	334	340	349	358	373	389	409	421	369	303	298	294	295	317	349	355	350	350	352	353	350	347	1	10	12	467	14 43	267	200
9			✓	349	357	340	340	340	350	360	375	390	406	418	420	362	320	300	317	337	353	353	352	353	344	344	354	356	1	11	40	445	14 13	278	167
10				340	347	347	345	346	343	358	381	417	454	457	445	400	348	301	291	305	331	347	346	346	350	348	346	360	0	11	27	480	15 25	282	198
11				337	341	340	339	341	346	366	367	405	448	449	451	420	362	319	314	324	341	342	345	344	346	349	342	362	0	11	08	469	14 58	302	167
12				342	352	356	349	350	349	361	387	411	425	442	421	393	357	329	324	338	345	359	359	355	356	358	358	366	0	10	49	474	15 14	314	160
13				352	352	353	354	358	360	366	387	424	474	493	481	443	400	348	337	349	348	325	361	348	327	316	305	373	0	10	03	498	23 59	293	205
14			✓	297	281	297	312	327	334	337	350	383	393	428	429	419	396	351	320	316	327	340	324	325	334	337	331	345	1	10	03	456	1 27	272	184
15			✓	329	334	338	340	339	336	324	311	315	362	420	461	444	426	371	323	312	332	339	339	345	344	344	341	353	0	11	59	467	8 21	295	172
16				337	333	340	341	340	339	338	336	372	418	453	490	490	455	397	362	347	347	349	355	352	352	351	351	373	0	11	46	498	7 08	326	172
17				351	350	350	352	353	355	346	332	348	373	413	423	445	451	444	413	384	362	352	352	351	348	348	347	373	0	13	18	457	7 42	325	132
18	✓	✓		350	350	352	353	356	353	345	336	353	394	424	441	445	437	418	394	374	365	361	359	358	359	361	359	375	0	11	29	456	7 17	332	124
19	✓			355	356	359	358	361	362	360	368	379	399	419	430	430	419	405	394	383	374	367	364	363	362	365	369	379	0	12	19	447	0 53	354	93
20				371	375	374	367	372	369	345	340	348	344	341	396	386	383	376	365	342	335	327	325	320	334	337	346	355	1	11	17	412	10 17	305	107
21				345	338	344	343	342	352	350	352	386	418	413	407	384	367	359	363	364	351	346	345	346	341	338	344	360	0	9	47	436	22 04	332	104
22				340	344	344	346	351	355	359	375	412	442	447	429	398	368	349	353	359	361	361	358	356	354	354	349	369	0	11	09	452	0 04	338	114
23	✓			352	358	357	356	358	360	365	384	426	458	456	437	413	374	354	352	356	360	361	358	353	355	358	360	376	0	10	13	468	15 03	348	120
24	✓	✓		359	359	360	361	360	361	364	386	430	467	489	483	461	429	395	359	352	355	360	360	356	354	352	352	386	0	10	31	493	16 04	350	143
25	✓	✓		354	357	358	360	364	366	364	380	431	483	511	510	478	434	381	352	347	357	367	366	365	363	362	361	390	0	10	59	517	16 23	345	172
26	✓			358	360	358	361	366	373	374	394	439	489	517	518	487	450	406	380	365	364	369	365	360	363	363	362	398	0	10	53	526	0 44	356	170
27	✓	✓		360	361	366	370	370	371	365	374	408	449	478	485	476	450	420	388	369	365	366	365	363	365	369	369	393	0	11	11	488	0 54	358	130
28				368	368	367	366	373	376	370	359	397	446	475	494	480	454	420	394	371	365	369	373	371	376	376	369	395	0	11	49	507	7 09	355	152
29				380	367	362	362	365	363	347	334	367	415	458	471	471	439	432	394	372	363	370	372	369	356	346	338	384	0	12	34	489	7 24	327	162
30																																		
31																																		
MEANS ALL DAYS				353	353	353	354	356	359	361	369	395	422	439	442	423	397	371	356	351	353	355	356	355	354	354	353	372							145
MEANS TEN DAYS ✱				357	358	359	361	363	364	366	377	407	439	456	455	440	413	387	370	364	365	367	365	364	363	363	364	383							125
MEANS FIVE DAYS † (G. M. T.)				356	357	359	361	362	363	362	370	403	440	463	465	451	427	399	375	365	364	359 366	358 365	355	355	355	355	383							
MEANS FIVE DAYS ‡ (G. M. T.)				342	335	333	338	339	347	349	354	368	378	398	405	373	359	335	318	319	334	338	349	349	345	345	342	350							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 331

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1944 — MARCH 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MINIMUM (H M)	RANGE
1	✓	✓		338	343	360	365	367	370	366	368	391	416	440	453	455	449	434	413	394	386	357	346	345	353	354	364	384	0	12 45 469	0 00 335	134
2	✓			357	359	361	363	365	366	356	339	347	368	401	428	444	440	427	394	390	372	366	365	362	361	357	354	377	0	12 10 452	7 32 331	121
3	✓	✓		357	359	364	368	369	373	376	381	396	421	426	422	412	402	389	386	389	389	384	385	394	393	368	365	386	0	9 52 432	1 38 354	78
4				353	350	369	374	373	378	356	345	367	388	396	407	409	404	383	370	365	349	350	353	354	350	346	346	368	1	12 04 441	7 03 322	119
5				349	350	351	354	361	364	371	385	417	451	461	454	426	386	379	377	380	375	356	343	340	340	352	351	378	0	10 59 486	20 42 334	152
6				342	357	360	357	357	351	347	346	360	398	422	427	411	392	366	341	352	347	352	346	352	351	346	336	363	1	11 13 462	15 13 324	138
7			✓	356	353	357	351	353	353	358	370	407	423	432	396	384	375	376	376	376	358	340	342	342	348	351	344	368	1	10 02 465	18 15 333	132
8				362	351	350	356	358	360	369	370	413	436	452	445	422	386	367	356	360	361	359	352	340	339	340	353	373	0	11 10 467	21 57 333	134
9				357	345	351	358	359	357	346	372	410	427	433	424	388	356	352	346	348	358	349	354	350	359	366	346	367	1	9 54 465	12 50 332	133
10			✓	348	340	349	351	353	346	338	349	400	411	415	412	416	389	359	351	339	328	335	340	343	340	346	339	360	1	11 57 459	7 04 320	139
11				340	347	350	343	338	346	359	372	411	447	480	477	456	399	340	336	342	352	351	338	335	335	341	354	370	0	11 21 487	19 50 328	159
12				352	338	346	351	349	355	353	368	405	450	421	416	379	346	329	330	335	353	342	350	342	359	341	345	361	1	10 49 471	14 43 313	158
13				349	349	350	346	349	346	344	353	375	404	442	433	439	420	404	383	368	364	361	357	338	338	338	356	371	0	10 24 457	22 19 328	129
14				342	354	354	349	345	346	345	355	395	443	467	481	472	435	396	377	359	354	353	354	355	351	349	349	378	0	12 19 491	0 44 337	154
15	✓	✓		356	347	348	354	354	352	346	353	390	427	449	453	436	408	382	363	350	341	340	344	342	340	341	334	369	0	10 56 460	23 56 329	131
16	✓			341	344	349	354	354	350	344	338	365	397	414	428	428	430	416	392	368	356	354	352	348	348	349	348	369	0	11 36 440	0 00 330	110
17	✓	✓		349	350	352	353	353	354	352	358	388	419	446	463	461	449	422	398	375	369	368	366	363	361	359	361	383	0	11 43 470	1 36 328	142
18				363	370	362	368	372	373	374	386	413	447	471	488	494	466	423	352	331	327	283	260	252	309	271	284	368	0	12 24 515	20 18 233	282
19			✓	297	305	316	323	332	334	333	353	377	384	404	410	397	376	358	342	319	308	318	329	329	330	331	330	343	1	11 37 420	0 00 287	133
20	✓			332	333	341	344	343	341	340	366	397	431	445	432	419	386	360	349	351	351	339	337	340	335	339	340	362	0	10 46 450	0 13 330	120
21	✓			333	336	340	343	348	350	355	377	405	434	441	422	395	381	357	348	349	351	351	355	347	355	331	312	363	0	10 30 450	23 20 307	143
22				324	333	330	337	345	352	360	413	429	438	443	441	417	375	369	368	366	363	359	358	356	352	351	347	372	0	11 21 462	0 03 317	145
23	✓			347	350	343	347	352	352	362	390	432	457	457	439	401	331	322	328	343	350	357	357	355	353	354	355	368	0	10 32 474	13 35 311	163
24	✓	✓		353	353	355	353	354	360	366	392	440	491	499	488	445	397	363	355	370	375	368	365	363	364	363	361	388	0	9 59 505	3 40 351	154
25				359	357	356	360	366	358	359	396	471	546	574	570	502	418	362	335	340	351	355	352	350	354	355	322	394	0	10 50 600	23 37 312	288
26			✓	335	334	344	354	347	338	348	366	443	423	450	452	431	402	370	360	363	383	375	297	282	280	334	353	365	1	8 46 501	20 34 256	245
27			✓	296	322	320	314	319	321	311	326	367	412	428	422	393	373	339	326	329	332	325	326	326	325	323	326	342	1	10 59 443	0 51 281	162
28				328	324	328	331	335	336	323	334	375	425	439	441	401	362	333	321	294	301	292	288	302	292	306	315	339	0	10 50 452	19 11 276	176
29				327	320	316	346	329	340	336	350	389	426	458	456	410	362	330	314	320	321	318	307	321	323	326	324	349	0	11 19 477	19 29 304	173
30				320	342	341	339	339	338	340	359	385	425	437	440	430	394	379	366	355	333	318	320	324	322	341	343	360	0	12 03 454	18 15 304	150
31				334	331	333	339	346	339	342	350	390	422	442	447	437	415	392	369	349	338	323	328	335	343	341	338	363	0	10 53 449	18 50 321	128
MEANS ALL DAYS				342	343	347	350	351	352	351	364	398	429	445	444	426	397	373	359	354	351	345	341	340	342	342	342	368				152
MEANS TEN DAYS ✱				346	347	351	354	356	357	356	366	395	426	442	443	430	407	387	373	368	364	358	357	356	356	352	349	375				130
MEANS FIVE DAYS (G. M. T.) †				351	350	356	359	359	362	361	370	401	435	452	456	442	421	398	383	376	372	360 360 363 361		358	354	351	349	381				
MEANS FIVE DAYS (G. M. T.) ‡				326	331	337	339	341	338	338	353	399	411	426	418	404	383	360	351	345	342	339	322	317	331	334	328	355				

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 332

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1944 — APRIL 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				341	341	341	344	350	354	360	376	398	428	454	462	449	416	369	340	329	326	336	314	291	273	290	323	359	0	11	57	479	21 49	267	212
2			✓	333	309	296	244	268	264	215	219	270	318	361	380	351	322	274	274	278	280	289	278	286	312	300	337	294	2	11	44	399	6 57	191	208
3				318	310	316	318	322	324	328	341	369	397	415	419	414	409	375	364	346	326	324	326	325	326	324	321	348	1	13	29	437	1 37	305	132
4			✓	331	347	332	331	336	329	325	340	358	391	408	411	403	386	365	354	350	339	330	331	326	338	337	336	351	0	11	31	424	5 58	315	109
5			✓	333	347	343	339	341	346	347	353	378	401	424	427	397	379	358	355	345	328	319	337	344	331	335	333	356	1	11	00	449	18 13	314	135
6			✓	337	334	348	346	333	333	331	345	363	402	415	402	389	361	336	336	340	333	334	337	333	326	326	328	349	1	12	05	440	21 10	317	123
7				330	331	334	339	343	344	353	358	393	426	444	430	415	368	316	312	295	298	319	324	323	334	332	331	350	0	11	10	463	16 39	280	183
8				331	332	336	339	344	346	351	348	378	415	441	456	444	414	367	346	343	347	347	344	342	340	340	339	364	0	11	43	472	0 46	329	143
9				340	340	340	340	342	344	349	373	415	463	508	518	488	460	402	358	319	318	340	334	338	341	344	369	378	0	10	54	527	17 15	309	218
10				340	338	338	343	352	341	335	347	393	437	468	470	453	417	381	365	358	351	335	328	328	355	339	339	369	0	10	13	485	19 57	320	165
11				339	344	348	352	357	354	348	350	385	432	471	471	411	389	356	342	331	338	325	329	341	343	337	339	364	0	11	10	486	19 10	319	167
12				339	346	344	344	342	344	349	356	381	408	429	441	438	407	389	369	359	353	354	352	349	350	348	348	368	0	11	34	446	0 20	334	112
13	✓	✓		349	350	353	353	354	355	356	364	391	425	444	443	428	409	394	384	376	365	360	356	355	356	356	357	376	0	11	00	449	0 27	348	101
14	✓	✓		358	357	360	362	364	362	358	355	377	409	450	467	459	440	409	384	370	360	357	360	360	360	359	356	381	0	11	41	471	7 02	348	123
15				359	360	361	362	363	362	371	378	417	472	496	518	499	478	444	390	363	358	367	356	354	340	339	334	393	0	12	04	533	21 19	324	209
16			✓	335	337	339	337	338	350	307	293	299	329	374	398	394	359	348	340	344	328	316	321	324	331	341	334	338	1	11	40	417	7 32	279	138
17	✓			331	333	335	335	339	346	344	354	383	402	419	406	400	375	356	355	355	335	312	309	337	334	334	332	353	0	10	35	426	18 59	304	122
18	✓			331	333	337	340	344	348	355	360	382	413	442	447	426	387	367	363	366	355	343	337	338	344	348	347	365	0	11	30	453	1 14	330	123
19	✓	✓		346	346	347	351	355	359	367	380	404	426	431	429	412	385	368	365	364	362	357	354	350	345	347	345	371	0	11	06	441	24 00	340	101
20	✓			341	348	350	351	353	366	378	391	408	430	446	447	413	378	372	372	374	364	360	357	354	355	352	355	376	0	11	03	455	0 15	339	116
21	✓			357	358	355	362	363	367	381	400	414	430	448	436	424	396	376	372	374	369	365	360	359	357	356	355	381	0	10	40	459	2 40	353	106
22	✓	✓		355	357	355	357	355	357	[illegible]	391	429	467	492	484	453	412	390	379	374	367	364	363	363	362	363	364	388	0	11	01	496	2 16	353	143
23	✓	✓		364	363	362	362	362	366	379	402	441	472	485	474	452	420	393	376	373	369	365	361	376	381	369	344	392	0	10	54	488	24 00	331	157
24				322	320	326	344	345	360	377	384	405	449	458	458	423	376	360	350	354	350	335	333	328	346	344	353	367	0	9	41	471	1 02	312	159
25	✓			348	349	350	355	357	360	368	374	390	412	441	445	432	396	368	354	349	343	335	329	326	335	339	342	367	0	11	07	458	20 05	320	138
26				354	354	351	351	358	359	364	379	414	446	466	469	423	387	374	374	357	347	347	342	350	346	343	357	376	0	11	32	481	19 16	337	144
27				350	344	351	356	358	361	368	375	400	437	463	465	458	434	404	371	353	342	346	338	352	335	352	342	377	0	11	01	473	21 54	327	146
28				342	350	347	362	368	373	364	367	390	415	444	446	447	427	391	371	361	361	361	362	360	361	356	341	378	0	10	38	459	24 00	333	126
29				331	336	352	359	356	366	378	381	393	407	440	444	438	420	406	393	372	358	352	350	354	353	349	351	377	0	10	53	465	0 27	328	137
30				367	353	345	352	361	358	355	357	384	413	431	444	441	414	394	374	367	356	335	336	350	354	353	348	373	0	12	11	469	19 05	318	151
31																																		
MEANS ALL DAYS				342	342	343	344	347	350	351	360	387	419	444	447	429	401	373	359	351	344	341	339	341	342	342	343	366							145
MEANS TEN DAYS ✱				348	349	350	353	355	359	366	377	402	429	450	448	430	400	379	370	368	359	352	349	352	353	352	350	375							123
MEANS FIVE DAYS † (G. M. T.)				354	355	355	357	358	360	366	378	408	440	460	459	441	413	391	378	371	365	357 361	354 359	353	354	354	354	381							
MEANS FIVE DAYS ‡ (G. M. T.)				334	335	332	319	323	324	305	310	334	368	396	404	387	361	336	332	331	322	318	333	328	322	325	329	338							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 333

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1944 — MAY 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	354	353	338	347	357	357	355	377	372	390	386	375	378	371	344	354	341	327	301	314	322	327	324	323	349	1	10	26	419	18 40	295	124
2			✓	363	351	341	341	344	343	345	355	358	374	400	386	404	399	378	364	351	338	341	345	338	340	344	336	357	1	10	27	417	0 00	328	89
3				334	336	340	343	344	348	356	360	361	386	407	427	434	428	400	367	348	345	347	349	348	347	347	349	365	0	12	24	439	0 43	332	107
4			✓	350	351	354	355	358	360	349	347	373	411	463	454	477	415	399	339	332	349	336	328	328	322	325	334	367	1	12	30	493	15 57	297	196
5				341	336	342	347	358	352	348	348	362	383	416	449	450	389	381	358	355	348	339	333	346	335	337	342	362	0	12	02	467	19 38	327	140
6			✓	351	347	355	354	352	352	339	341	367	385	404	430	425	391	360	353	348	342	342	345	340	340	340	341	360	0	11	57	451	7 08	331	120
7				344	349	363	341	347	353	358	378	403	424	427	425	425	398	371	349	345	344	343	333	346	352	342	350	367	0	11	01	463	20 13	324	139
8				355	345	350	352	358	358	362	370	386	403	418	425	415	400	376	360	350	345	349	349	349	348	349	352	368	0	11	31	432	1 33	342	90
9				354	356	358	356	356	364	370	383	401	430	450	458	454	428	389	372	353	347	353	353	345	359	355	356	379	0	11	33	463	20 48	342	121
10	✓			355	353	352	352	354	356	356	364	384	417	454	470	469	448	433	406	379	355	355	344	348	351	356	363	382	0	12	07	476	19 23	341	135
11				363	360	364	367	367	371	380	387	403	432	465	477	469	445	426	404	382	364	361	349	345	349	354	357	389	0	11	37	488	20 37	342	146
12				359	362	364	367	372	372	375	372	393	428	459	474	449	427	408	392	373	356	360	359	359	357	356	356	385	0	11	36	480	17 35	352	128
13	✓	✓		357	358	363	363	362	366	361	351	357	383	409	422	427	421	405	394	377	370	372	368	369	367	364	360	377	0	12	17	431	8 03	348	83
14	✓			354	351	350	356	364	367	368	375	389	408	425	428	427	421	410	385	366	357	350	351	347	343	336	328	373	0	11	52	432	23 36	327	105
15				337	349	346	352	356	362	376	387	400	416	420	422	417	405	388	377	366	358	357	358	357	356	354	355	374	0	11	14	426	0 04	326	100
16	✓	✓		358	360	363	365	366	371	377	379	398	412	442	460	463	450	421	397	371	356	353	353	355	353	350	348	384	0	12	36	467	23 00	347	120
17	✓			352	361	365	368	371	375	372	371	394	409	438	454	453	432	408	390	372	359	353	351	347	349	351	353	381	0	11	34	457	20 20	347	110
18	✓	✓		355	359	361	364	368	372	380	381	387	400	421	430	423	412	397	389	379	373	372	371	369	363	359	359	381	0	11	40	434	0 20	355	79
19	✓			360	370	372	377	383	387	394	398	400	403	412	405	396	392	388	385	379	370	367	364	368	368	367	367	382	0	10	24	417	0 03	358	59
20	✓	✓		365	365	366	368	370	373	382	392	405	420	428	426	409	393	383	378	377	374	372	371	370	372	372	373	384	0	10	26	432	0 47	364	68
21	✓	✓		374	374	372	370	371	373	386	407	425	442	452	454	440	417	388	373	367	361	357	360	367	370	371	368	389	0	11	03	457	18 05	356	101
22	✓			365	371	374	377	378	377	386	404	430	459	473	480	460	428	402	377	372	371	372	369	368	361	362	357	395	0	10	51	487	24 00	354	133
23				352	353	358	364	365	369	378	391	400	427	428	425	424	427	402	385	367	362	351	338	333	349	352	348	377	0	10	31	438	20 39	328	110
24				349	349	349	360	354	354	351	359	383	410	423	418	394	379	353	331	332	336	346	347	347	345	348	363	362	0	10	44	432	15 52	325	107
25				349	345	349	352	355	357	364	374	387	396	407	414	409	389	395	385	373	369	362	350	334	339	340	347	368	0	12	00	420	20 24	326	94
26				353	353	352	350	352	358	361	376	393	417	440	445	435	421	405	387	366	359	358	357	359	357	353	344	377	0	10	33	458	23 33	336	122
27				369	358	355	353	354	362	352	341	348	371	384	408	412	405	394	378	361	355	355	354	353	358	357	359	366	0	12	29	420	7 48	331	89
28				361	358	359	368	366	370	370	375	385	409	437	459	454	443	420	390	370	353	344	333	349	351	349	350	380	0	12	01	470	19 25	321	149
29			✓	355	367	360	359	359	374	362	368	370	389	443	452	432	426	399	375	343	326	335	330	320	326	340	350	369	1	11	03	479	18 08	300	179
30				344	343	351	351	349	352	345	349	343	361	399	418	427	415	392	365	350	347	344	345	345	348	349	343	361	0	12	10	432	6 43	331	101
31				345	354	356	354	354	353	359	362	373	403	443	426	401	388	382	366	351	343	338	343	346	351	351	351	366	0	10	31	461	18 11	333	128
MEANS ALL DAYS				354	355	356	358	360	363	365	372	385	406	428	435	431	413	393	375	361	354	351	349	349	350	350	351	374							115
MEANS TEN DAYS *				360	362	364	366	369	372	376	382	397	415	435	443	437	421	404	387	374	365	362	360	361	360	359	358	383							99
MEANS FIVE DAYS † (G. M. T.)				362	363	365	366	367	371	377	382	394	411	430	438	432	419	399	386	374	367	362 365	361 365	360	360	360	361	382							
MEANS FIVE DAYS ‡ (G. M. T.)				355	354	350	351	354	357	350	358	368	390	419	419	423	400	376	357	343	336	331	333	343	343	342	342	362							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 334

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1944 JUNE 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			350	352	353	357	360	358	369	364	404	426	431	435	437	410	392	370	361	357	355	357	358	356	356	355	376	0	12	19	446	1	03	349	97
2	✓			357	357	354	354	355	358	365	376	386	411	437	457	451	427	396	371	359	352	354	353	354	355	353	353	377	0	11	16	462	17	35	350	112
3	✓	✓		352	353	357	355	355	359	371	384	391	400	406	407	407	403	389	369	362	366	367	368	366	365	365	361	374	0	12	40	409	0	57	350	59
4				359	361	365	372	380	381	381	389	399	421	441	440	434	418	406	398	391	372	368	372	371	372	370	368	389	0	10	40	446	0	28	356	90
5				368	367	363	361	361	363	370	378	396	422	448	458	443	411	391	366	361	357	353	347	349	351	352	354	379	0	12	05	483	19	25	345	138
6	✓			357	361	368	372	373	370	374	385	405	420	433	445	446	412	399	376	361	358	359	359	360	363	363	363	383	0	11	30	457	0	00	354	103
7	✓	✓		361	361	361	361	365	366	377	390	399	413	433	452	448	439	416	393	372	363	363	361	359	359	358	359	385	0	11	05	460	22	07	355	105
8	✓	✓		363	365	364	366	371	373	381	389	409	441	459	471	465	451	423	394	376	369	365	369	370	367	367	365	393	0	11	39	481	23	21	359	122
9				368	372	374	373	370	372	383	394	400	418	434	440	434	425	397	368	358	355	354	355	369	363	357	355	383	0	11	40	448	19	35	350	98
10	✓	✓		357	357	360	361	363	367	374	382	393	400	416	416	421	412	396	382	367	359	361	363	361	358	360	359	377	0	12	00	429	21	20	356	73
11				357	360	359	365	368	370	379	393	404	419	430	410	412	392	365	352	349	344	346	350	351	353	356	354	372	0	10	33	442	17	23	343	99
12	✓	✓		355	362	363	361	361	365	371	379	391	411	422	431	437	428	413	392	376	367	363	365	365	363	362	361	382	0	12	24	439	0	50	352	87
13				366	369	369	368	371	374	382	387	393	403	420	426	430	412	383	370	371	365	357	348	343	355	350	348	378	0	12	31	435	20	35	338	97
14				349	355	359	365	370	374	386	401	373	397	395	398	403	400	391	383	381	357	338	320	323	338	338	347	368	0	7	20	414	19	56	313	101
15			✓	327	323	334	359	350	352	368	381	396	406	399	395	392	389	371	362	348	327	323	329	329	355	348	350	359	0	9	51	415	18	13	319	96
16				352	351	356	360	352	355	367	388	402	406	420	415	403	397	380	367	356	345	344	348	344	345	352	352	369	0	11	08	432	18	12	338	94
17				348	346	356	361	358	358	371	382	391	411	418	417	397	382	365	363	361	354	345	345	344	351	352	364	368	0	10	53	435	20	35	341	94
18				365	354	356	363	368	367	378	393	408	415	426	419	408	397	388	377	371	364	361	360	354	354	352	349	377	0	11	01	431	23	40	347	84
19				358	359	360	366	365	365	373	381	386	399	406	419	424	417	408	390	368	360	353	347	356	356	356	358	376	0	12	00	429	19	35	343	86
20				364	373	368	365	373	371	375	387	398	401	419	426	426	429	395	373	366	359	367	365	360	373	357	363	381	0	12	25	434	23	13	322	112
21			✓	356	345	365	366	382	380	384	388	403	415	424	419	382	371	362	356	360	358	356	336	342	355	337	341	370	1	11	33	435	23	59	324	111
22			✓	330	339	348	348	348	359	365	382	401	426	428	417	393	388	374	360	365	360	363	332	333	335	341	343	366	0	10	24	469	0	05	320	149
23			✓	341	354	378	360	356	360	368	383	397	404	410	393	391	385	371	359	351	343	350	349	346	352	356	350	367	0	11	13	427	17	37	339	88
24	✓			350	355	356	356	356	359	367	381	388	398	399	407	410	406	395	384	365	354	355	354	354	355	352	352	371	0	11	44	412	0	28	347	65
25	✓			354	356	359	358	358	359	367	378	392	406	421	420	426	401	376	382	377	370	366	363	359	346	334	342	374	0	12	09	438	22	50	329	109
26			✓	355	355	368	362	355	362	373	384	404	416	427	405	375	365	355	332	337	327	334	328	331	340	346	345	362	1	9	06	444	17	46	319	125
27				347	348	354	354	348	353	355	365	379	398	415	424	401	382	365	361	356	351	352	342	342	345	347	352	364	0	11	22	437	19	44	338	99
28				362	359	354	353	359	359	355	357	373	390	391	407	403	396	400	391	376	363	352	340	345	348	341	361	368	0	11	43	412	22	33	332	80
29				335	334	341	346	352	359	367	386	395	400	413	411	408	403	394	378	363	355	353	353	354	355	352	360	369	0	10	38	431	0	36	327	104
30				365	362	360	365	366	357	359	369	381	398	420	421	419	410	400	384	374	361	352	345	341	354	348	349	373	0	10	31	427	20	14	337	90
31																																				
MEANS ALL DAYS				354	356	359	361	362	364	372	383	395	410	421	423	418	405	389	373	365	356	354	351	351	355	353	354	374								99
MEANS TEN DAYS *				356	358	360	360	362	363	372	381	396	413	426	434	435	419	400	381	368	362	361	361	361	359	357	357	379								93
MEANS FIVE DAYS † (G. M. T.)				358	360	361	361	363	366	375	385	397	413	427	435	436	427	407	386	371	365	355 364	356 365	359	359	357	357	381								
MEANS FIVE DAYS ‡ (G. M. T.)				342	343	359	359	358	363	372	384	400	413	418	406	387	380	367	354	352	343	345	343	343	349	341	347	365								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 335

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1944 — JULY 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				356	360	362	364	366	367	382	399	416	431	457	454	447	426	406	383	375	368	364	359	361	365	361	359	387	0	10	55 468	0	07 352	116
2				357	357	360	361	363	363	367	376	382	393	406	420	424	422	411	390	378	367	369	365	367	365	365	361	379	0	12	57 430	0	19 356	74
3				361	367	369	369	365	376	391	412	419	415	411	420	406	402	382	373	380	373	363	359	353	354	361	365	381	0	11	20 436	20	35 344	92
4	✓			362	363	363	365	367	370	384	404	418	427	431	431	434	422	393	369	368	369	367	360	364	363	363	361	384	0	12	14 437	19	54 357	80
5				361	363	367	371	373	373	382	398	424	445	460	459	447	436	420	393	372	369	369	367	365	367	369	376	393	0	10	13 463	0	00 359	104
6				376	370	369	367	374	374	382	398	412	431	438	447	442	422	402	380	372	372	360	346	335	336	338	342	383	0	11	30 452	21	14 320	132
7				350	350	348	350	357	363	369	373	380	380	397	398	388	381	371	361	359	359	357	357	357	359	361	354	366	0	11	18 405	0	00 346	59
8.	✓			358	355	358	361	367	376	383	386	398	417	429	436	434	422	401	381	374	369	369	363	372	365	348	331	381	0	12	00 439	23	50 325	114
9			✓	331	346	344	364	356	359	352	363	388	398	407	408	404	393	378	359	352	348	342	335	346	340	344	350	363	0	10	57 422	0	15 325	97
10				349	350	355	357	359	361	369	382	406	413	411	413	422	409	402	380	369	359	353	352	350	354	346	352	374	0	12	00 428	22	59 343	85
11	✓			363	358	356	354	358	359	367	377	393	420	438	451	446	430	393	363	359	363	359	358	360	363	364	364	380	0	11	44 454	3	39 352	102
12	✓			365	371	373	374	377	380	385	396	412	433	447	456	442	430	408	390	377	369	364	364	357	355	356	360	389	0	11	28 466	22	12 351	115
13				358	368	365	368	368	367	373	383	396	412	422	434	436	423	403	388	373	365	358	362	364	364	361	359	382	0	12	19 441	18	44 355	86
14				360	363	363	365	366	372	370	384	410	438	445	444	429	399	384	376	375	369	360	353	354	361	361	357	382	0	11	06 460	19	54 352	108
15			✓	349	372	360	349	350	352	356	365	381	400	431	447	433	406	381	358	352	349	352	353	352	352	350	350	371	0	11	30 459	0	35 344	115
16				348	354	346	351	357	359	370	383	401	415	434	444	443	416	403	376	363	359	358	357	358	353	336	322	375	0	11	40 452	23	37 317	135
17				321	327	335	339	346	350	352	367	384	397	406	408	402	382	375	362	353	347	344	348	349	354	348	350	360	0	11	10 416	0	29 319	97
18				359	357	357	359	362	363	363	361	365	369	381	400	416	407	391	380	366	346	342	323	328	342	350	350	364	0	12	33 421	19	46 321	100
19			✓	358	357	361	364	364	374	372	359	357	363	359	389	398	411	411	398	398	365	367	365	355	365	363	353	372	0	13	51 423	8	45 338	85
20			✓	363	367	355	346	346	363	360	350	354	373	391	415	420	413	391	365	354	354	350	354	357	358	350	354	367	0	12	00 423	9	05 337	86
21			✓	350	361	357	359	348	359	354	345	350	376	397	418	425	408	390	374	346	341	340	338	342	344	345	344	363	0	12	57 437	19	33 336	101
22				347	354	352	359	360	361	367	374	384	398	409	418	424	418	406	393	372	351	348	350	351	351	353	356	373	0	12	30 431	0	13 342	89
23	✓			357	359	360	367	369	370	376	370	367	380	395	411	416	407	389	374	364	359	358	357	354	354	354	355	372	0	12	10 422	22	00 352	70
24	✓	✓		356	356	359	361	363	367	375	382	400	415	433	440	429	404	387	374	367	361	355	354	352	352	351	354	377	0	11	11 443	22	03 348	95
25	✓	✓		353	355	359	362	366	368	372	381	396	416	439	452	448	438	417	397	383	370	363	362	365	368	370	370	386	0	11	11 454	1	00 352	102
26	✓	✓		370	372	374	370	368	368	376	387	394	410	424	427	431	419	405	392	375	366	364	363	364	365	365	366	384	0	12	04 436	19	38 363	73
27	✓	✓		365	366	369	370	372	374	381	398	411	432	436	442	447	433	418	391	371	362	357	355	357	357	357	359	387	0	12	06 463	19	31 354	109
28	✓	✓		361	363	364	365	366	368	376	394	408	424	436	434	424	411	402	393	379	359	359	354	350	356	359	361	382	0	10	34 443	20	05 348	95
29				364	365	364	364	368	376	391	404	411	415	431	431	426	433	397	378	365	354	351	349	349	354	359	359	382	0	11	12 442	20	24 348	94
30				364	363	365	366	367	367	378	391	409	429	438	426	415	400	390	383	369	361	354	348	350	355	350	348	379	0	10	54 445	19	25 346	99
31				354	354	354	357	367	367	376	380	398	414	420	422	411	407	398	372	350	338	338	346	350	357	357	350	372	0	11	10 431	18	05 334	97
MEANS ALL DAYS				356	359	359	361	363	367	373	381	394	409	421	429	426	414	397	379	368	360	357	354	354	356	355	355	377	DESIGNATIONS AND REMARKS					97
MEANS TEN DAYS ✱				361	362	364	365	367	370	378	388	400	417	431	438	435	422	401	382	372	365	362	359	360	360	359	358	382	✱ = TEN LEAST DISTURBED DAYS † = FIVE INTERNATIONAL QUIET DAYS ‡ = FIVE INTERNATIONAL DISTURBED DAYS					96
MEANS FIVE DAYS † (G. M. T.)				361	362	365	366	367	369	376	388	402	419	434	439	436	421	406	389	375	364	359 360	358 358	358	359	359	361	383	[ ] = APPROXIMATE, MAGNETIC STORM ( ) = INTERPOLATED [ ] = ESTIMATED ▽ = LAMP OUT	△ = RECORD OFF SHEET □ = CLOCK STOPPED ⊼ = NO RECORD				
MEANS FIVE DAYS ‡ (G. M. T.)				350	361	355	356	353	361	359	356	366	382	397	415	416	406	390	371	360	351	350	352	353	358	354	349	368						

TABLE 336

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1944 AUGUST 1944

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				358	351	353	358	354	361	360	368	393	409	425	433	430	410	390	369	360	353	353	354	353	360	357	356	374	0	11	11 437	1	48 345	92
2			✓	362	365	363	367	372	379	390	398	412	425	419	425	407	403	398	368	332	314	292	296	264	291	273	246	357	1	11	24 455	23	30 236	219
3			✓	264	318	326	318	331	330	338	341	349	372	389	394	385	367	345	331	322	310	314	312	318	322	327	327	335	1	11	45 405	0	00 253	152
4				328	330	332	335	339	340	336	349	371	399	414	400	370	353	351	351	345	335	330	330	335	337	340	342	350	0	10	07 419	0	34 326	93
5				343	341	342	341	341	348	355	366	388	419	447	447	439	414	382	355	334	339	333	331	333	333	351	347	365	0	10	40 459	21	03 327	132
6				350	348	345	351	352	351	358	374	394	419	445	444	410	399	378	359	350	349	349	347	341	345	343	342	368	0	10	48 460	20	58 337	123
7	✓			347	351	349	349	353	362	366	384	405	423	452	455	459	442	415	381	358	351	351	353	352	350	347	349	379	0	12	22 463	0	00 343	120
8				350	353	355	355	361	368	366	375	379	430	457	455	448	421	387	370	359	354	353	344	342	333	338	343	375	0	11	00 475	21	30 329	146
9				350	347	349	350	351	353	350	358	375	416	460	480	466	446	398	368	359	357	357	361	360	365	364	358	379	0	11	37 490	1	36 345	145
10				348	362	358	354	355	360	368	371	389	414	426	423	407	376	368	370	362	353	341	337	330	345	343	337	367	0	10	55 442	21	00 326	116
11				341	346	353	347	351	353	358	362	369	392	423	440	448	425	401	374	353	351	351	349	338	333	362	339	369	0	12	29 455	21	47 324	131
12				337	341	338	341	344	347	351	364	364	388	412	422	416	405	397	380	368	353	338	330	343	347	347	347	363	0	11	22 434	19	52 324	110
13	✓			347	349	347	349	343	345	347	352	354	359	372	386	396	399	385	369	360	354	355	351	351	353	356	355	360	0	13	28 403	2	30 341	62
14	✓			357	358	360	362	366	372	385	413	437	459	473	483	465	445	421	376	366	370	366	356	353	343	352	363	392	0	11	18 489	21	40 339	150
15				355	355	358	364	360	358	371	385	399	421	443	446	433	413	378	351	343	349	351	352	352	352	359	360	375	0	11	04 457	16	20 341	116
16				360	360	363	364	367	368	376	398	419	447	442	437	425	404	387	380	374	357	347	337	330	349	345	345	378	0	9	40 457	20	42 326	131
17	✓			345	351	357	357	358	362	376	392	407	432	439	437	424	413	394	374	370	366	368	359	375	367	367	368	382	0	11	05 447	0	00 341	106
18			✓	370	376	347	337	368	348	355	366	379	415	427	427	401	373	362	355	347	341	332	323	322	330	338	328	361	1	9	58 437	20	26 317	120
19				320	324	326	336	343	343	352	364	379	403	423	440	441	433	412	384	365	349	341	333	328	332	340	339	365	0	11	58 446	0	42 316	130
20	✓	✓		347	345	343	341	344	348	349	351	377	402	433	456	451	432	405	380	362	351	349	349	349	355	349	349	372	0	11	53 461	3	45 339	122
21	✓	✓		351	356	355	355	358	359	360	362	375	400	432	461	470	465	435	396	364	351	351	349	351	347	343	355	379	0	12	58 476	22	46 341	135
22	✓			349	347	346	348	354	358	355	361	374	394	412	427	429	425	402	383	364	341	337	337	348	342	347	351	368	0	11	27 436	19	10 332	104
23				337	338	332	341	345	343	338	330	336	371	389	409	416	396	368	347	345	349	347	348	340	337	334	332	353	0	12	10 425	7	13 322	103
24				337	353	353	351	364	366	366	360	368	359	367	410	430	429	407	379	354	336	338	335	334	332	339	341	363	0	13	33 438	0	00 330	108
25	✓	✓		343	343	342	341	343	343	347	353	373	396	425	439	446	441	405	377	355	343	346	345	345	345	347	347	368	0	12	00 450	3	44 339	111
26	✓	✓		347	347	351	353	359	364	371	382	396	425	439	444	444	443	417	400	380	355	349	345	349	351	345	340	379	0	12	10 455	23	56 338	117
27				335	340	347	351	353	356	364	367	375	388	418	441	452	448	432	392	368	359	356	351	351	351	356	352	375	0	13	51 463	0	38 330	133
28			✓	347	364	345	331	343	350	353	371	373	398	407	403	392	388	359	339	339	341	339	339	336	337	339	340	357	0	11	05 437	3	02 324	113
29	✓	✓		343	344	346	349	355	358	372	383	401	416	430	423	421	410	399	388	372	360	351	347	333	330	344	336	371	1	10	31 434	21	05 326	108
30				334	342	349	349	353	356	368	382	396	411	420	426	421	416	403	394	370	355	352	350	343	334	335	362	372	0	13	09 441	22	20 323	118
31			✓	350	350	355	362	359	355	355	369	386	415	434	445	414	423	409	385	359	349	333	323	351	346	339	346	371	0	11	26 455	19	52 317	138
MEANS ALL DAYS				344	348	348	349	353	355	360	369	384	407	426	434	428	415	393	372	357	348	344	341	340	342	344	343	368						123
MEANS TEN DAYS #				348	349	350	350	353	357	363	373	390	411	431	441	440	432	408	382	365	354	352	349	351	348	350	351	375						114
MEANS FIVE DAYS (G. M. T.) †				346	347	347	348	352	354	360	366	384	408	432	445	446	438	412	388	367	352	343 349	340 347	338	340	343	343	373						
MEANS FIVE DAYS (G. M. T.) ‡				339	355	347	343	355	352	358	369	380	405	415	419	400	391	375	356	340	331	322	342	337	341	338	337	360						

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 337

HORIZONTAL INTENSITY

SEPTEMBER 1944

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1944

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				345	348	345	348	351	356	367	377	395	419	437	459	458	440	408	380	362	355	339	314	329	324	328	324	371	0	12	23	464	19	34	311	153
2			✓	334	348	331	337	334	338	348	368	393	416	440	453	464	427	380	353	328	324	317	314	317	329	337	337	361	1	12	32	471	19	32	307	164
3				337	338	343	342	342	342	343	356	376	400	426	424	422	405	378	359	352	348	350	344	344	338	338	344	362	0	10	35	435	1	00	334	101
4	✓			342	344	346	352	358	361	378	393	419	447	460	465	442	420	388	360	331	315	309	317	331	343	345	346	371	0	11	44	473	18	18	303	170
5	✓			348	350	348	346	347	352	360	367	393	427	455	470	466	437	399	369	350	344	345	346	348	348	344	344	375	0	11	41	474	0	07	339	135
6	✓			344	344	346	348	354	356	372	403	424	449	467	477	462	415	392	377	367	361	356	357	355	356	353	348	383	0	11	54	487	0	04	343	144
7				352	352	355	346	350	343	342	360	401	445	478	500	495	470	424	384	357	352	353	351	351	350	345	346	383	0	11	55	503	6	07	339	164
8				347	348	346	348	354	350	354	365	386	409	437	467	483	467	421	374	333	321	329	343	344	344	342	347	373	0	12	23	485	17	04	319	166
9	✓	✓		351	351	352	350	354	355	349	350	372	404	425	433	431	421	405	382	365	352	354	352	345	350	341	337	370	0	10	49	435	23	50	335	100
10				345	350	350	356	354	356	358	364	377	397	411	428	435	427	418	399	375	354	347	350	350	344	348	349	373	0	11	49	444	0	00	340	104
11				348	355	355	356	358	363	367	381	397	415	420	424	424	417	403	387	362	355	352	357	361	359	341	344	375	0	10	54	435	22	32	336	99
12				346	354	359	356	361	355	351	350	367	396	420	434	425	413	395	376	365	352	350	350	348	352	353	354	370	0	11	24	443	8	00	340	103
13	✓			354	353	350	350	361	368	382	400	428	463	477	474	447	413	393	391	369	342	338	339	344	355	352	354	383	0	11	06	491	18	20	333	158
14				350	343	344	346	359	363	374	402	436	451	476	453	412	391	380	376	376	365	356	352	357	352	353	365	380	0	10	43	485	1	30	341	144
15	✓	✓		356	355	352	350	352	356	370	395	433	477	498	483	454	424	399	380	372	365	362	358	355	349	339	342	386	0	10	04	501	22	49	337	164
16	✓	✓		342	342	352	354	356	356	364	391	431	465	476	472	453	422	395	375	365	356	355	352	354	352	350	352	383	0	10	14	481	1	25	339	142
17	✓	✓		356	356	358	358	358	363	355	363	396	441	490	507	460	438	413	397	380	371	367	356	335	320	329	338	384	0	11	40	524	21	34	316	208
18				347	338	339	348	347	351	356	371	397	424	444	447	428	405	375	361	354	351	350	348	344	346	346	348	369	0	10	46	456	2	00	333	123
19	✓	✓		352	350	352	356	362	360	354	369	415	448	481	484	463	432	404	386	371	360	359	356	354	356	356	355	385	0	11	28	488	1	36	350	138
20				356	358	363	365	369	371	378	400	430	470	486	489	488	438	418	415	377	342	289	335	326	321	327	331	385	0	10	18	505	18	27	279	226
21			✓	336	325	340	339	336	333	352	373	400	427	445	444	411	380	365	351	349	344	343	342	344	338	336	335	362	0	11	49	453	1	45	321	132
22				340	340	342	346	350	354	354	367	386	421	465	448	424	380	349	346	336	324	315	320	319	328	350	339	360	0	10	44	480	18	25	309	171
23				331	333	342	339	341	346	358	386	426	459	478	474	467	444	419	371	330	281	273	283	293	309	304	313	362	0	11	54	488	17	43	271	217
24			✓	317	326	325	323	348	344	344	364	402	421	462	465	440	404	352	342	333	319	323	329	343	336	333	340	360	0	11	27	471	17	05	312	159
25				346	344	344	342	346	349	348	362	393	413	447	456	445	417	369	346	325	333	338	331	337	336	339	336	364	0	10	56	464	16	32	319	145
26				337	337	338	348	352	353	355	375	415	444	465	473	464	439	409	379	348	342	346	344	342	340	337	329	375	0	10	35	479	23	56	326	153
27			✓	340	345	342	346	350	352	336	338	369	413	448	458	424	380	348	327	327	337	340	341	340	339	341	338	359	0	11	43	473	15	28	319	154
28	✓			331	334	334	340	342	345	351	365	395	418	438	435	415	393	376	363	355	346	344	343	341	340	340	339	363	0	11	00	449	0	50	330	119
29				331	333	339	349	345	348	356	375	422	441	476	478	458	426	393	370	360	355	352	348	350	353	352	351	378	0	10	50	486	0	34	328	158
30			✓	353	352	352	357	364	366	362	376	420	456	430	395	406	409	355	341	332	309	285	304	310	313	319	323	358	1	9	45	472	18	18	281	191
31																																				
MEANS ALL DAYS				344	345	346	348	352	354	358	374	403	433	455	459	446	420	391	371	354	342	338	339	340	341	341	342	372								150
MEANS TEN DAYS #				348	348	349	350	354	357	364	380	411	444	467	470	449	422	396	378	362	351	349	348	346	347	345	346	378								148
MEANS FIVE DAYS † (G. M. T.)				351	351	353	354	356	358	358	374	409	447	474	476	452	427	403	384	371	361	350 359	351 355	351	349	346	351	382								
MEANS FIVE DAYS ‡ (G. M. T.)				336	339	338	340	346	347	348	364	397	427	445	443	429	400	360	343	334	327	322	325	328	329	330	330	359								

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 338

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1			✓	327	327	327	332	340	349	335	372	429	461	478	485	423	397	367	339	328	315	316	328	331	330	330	331	362	0	11	12	503	17	55	300	203
2				332	332	334	335	337	336	337	355	406	448	478	478	436	394	362	347	341	326	323	328	343	336	330	345	363	0	11	06	494	17	54	318	176
3				345	341	341	343	347	347	347	366	396	425	441	450	427	394	355	316	307	320	307	316	322	330	329	328	356	0	10	54	471	18	59	300	171
4				331	334	333	335	339	343	343	369	416	465	503	498	475	436	380	347	342	343	344	342	343	330	330	336	373	0	10	09	520	21	50	326	194
5	✓	✓		338	339	339	341	343	340	336	355	407	463	502	520	503	464	411	366	343	344	347	345	345	355	353	347	381	0	11	37	532	6	16	333	199
6				354	359	353	353	351	351	344	368	423	477	532	557	542	492	407	351	312	299	312	324	325	326	334	336	383	0	11	55	589	17	43	296	293
7	✓			334	335	338	340	343	341	320	324	366	429	475	496	496	468	416	372	349	332	332	329	332	333	337	338	370	0	12	04	506	7	14	307	199
8	✓	✓		338	340	340	341	345	344	332	330	361	413	447	470	467	441	407	377	357	343	341	338	331	326	329	332	366	0	11	51	473	21	29	324	149
9	✓	✓		332	341	347	348	350	353	341	345	378	409	437	454	461	453	428	400	373	355	352	352	352	352	352	353	376	0	12	04	466	0	39	331	135
10				351	349	349	351	351	353	338	338	359	391	418	433	450	441	431	403	357	326	314	288	274	268	302	299	356	0	12	37	455	21	05	248	207
11			✓	304	320	333	344	355	370	378	384	392	403	407	253	260	299	350	355	319	306	304	304	306	318	318	312	333	1	10	16	443	11	48	157	286
12				318	320	322	322	324	326	332	355	382	401	406	404	401	394	383	370	340	334	328	324	333	332	332	333	351	0	10	21	421	0	01	310	111
13				334	337	338	340	345	347	341	364	373	408	411	406	402	387	377	357	337	327	330	333	332	328	323	322	354	0	10	40	427	23	05	320	107
14			✓	326	344	341	330	330	332	335	337	362	390	402	365	371	332	345	326	321	282	229	224	216	245	313	288	320	1	11	03	462	20	46	205	257
15			✓	284	290	299	304	310	324	326	343	375	405	420	403	385	352	314	298	300	297	302	306	314	314	312	312	329	1	10	25	436	17	22	279	157
16				310	321	330	326	328	332	345	374	407	441	441	419	375	332	304	310	321	326	322	326	316	315	322	322	344	0	9	57	453	14	51	300	153
17				324	324	329	339	340	345	361	394	425	457	464	459	433	392	360	339	326	302	302	305	305	325	322	326	358	0	9	41	470	18	10	297	173
18				325	329	331	328	332	338	345	383	427	467	489	477	433	387	352	340	339	340	337	331	332	332	328	328	365	0	11	05	495	0	06	322	173
19	✓	✓		330	332	334	330	332	338	349	362	434	485	508	506	461	402	353	328	331	337	340	338	338	339	337	337	370	0	11	14	515	15	41	326	189
20	✓			340	343	345	345	347	347	360	398	459	498	515	510	471	416	366	347	332	318	328	336	334	338	337	339	378	0	10	40	525	17	20	314	211
21	✓	✓		341	343	343	343	347	343	336	359	400	441	461	466	434	391	366	340	334	343	351	348	344	337	340	340	366	0	11	40	477	6	10	330	147
22	✓			345	338	336	349	349	347	351	370	409	432	445	448	409	398	372	356	352	346	345	344	345	345	345	347	368	0	10	20	471	2	03	332	139
23				341	348	361	360	353	351	357	369	398	436	466	439	396	364	324	351	330	320	320	320	328	344	340	347	361	0	10	01	475	14	40	304	171
24			✓	319	334	349	337	336	335	329	351	369	398	403	427	423	385	340	328	339	332	330	332	328	328	330	332	351	1	11	42	439	0	25	318	121
25				332	332	330	330	330	332	341	372	421	459	485	497	475	428	372	354	353	353	343	316	333	315	327	334	369	0	11	20	501	21	20	312	189
26				330	339	340	335	331	335	335	362	407	445	475	482	473	434	403	366	347	340	341	345	341	334	341	334	371	0	12	05	491	0	50	326	165
27				334	334	340	345	343	345	341	357	379	411	425	418	412	412	403	381	361	349	346	343	343	340	339	332	364	0	10	23	441	23	48	330	111
28				338	343	339	345	346	340	348	370	392	411	415	420	396	407	394	372	357	343	345	347	347	343	336	338	364	0	11	56	436	0	24	334	102
29	✓			341	339	338	339	341	345	359	374	387	394	384	377	375	370	368	379	369	351	336	339	347	343	334	330	357	0	9	58	407	23	27	328	79
30	✓			332	338	339	340	344	349	365	391	427	447	448	427	405	382	370	360	357	357	353	349	340	332	318	322	366	0	10	26	454	22	28	316	138
31				328	339	328	326	330	337	351	389	443	441	450	435	390	368	349	345	343	339	340	339	338	339	342	342	361	0	8	42	476	3	33	322	154
MEANS ALL DAYS				331	335	337	338	340	342	344	364	400	434	453	448	428	400	372	352	339	330	328	327	328	328	331	331	361								170
MEANS TEN DAYS *				337	339	340	342	344	345	345	361	403	441	462	467	448	418	386	362	350	343	342	342	341	340	338	338	370								158
MEANS FIVE DAYS † (G. M. T.)				336	339	341	341	343	344	339	350	396	442	471	483	465	430	393	362	348	344	336 346	335 344	334	332	332	335	370								
MEANS FIVE DAYS ‡ (G. M. T.)				312	323	330	329	334	342	341	357	385	411	422	387	372	353	343	329	321	306	296	294	292	300	319	316	338								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Z̄ = NO RECORD

TABLE 339

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			342	340	340	342	344	348	363	393	430	455	465	443	406	369	350	342	346	346	348	349	348	342	338	335	368	0	10	28	481	23	00	334	147
2				337	340	340	342	343	346	356	382	418	449	460	465	453	444	415	382	356	350	356	353	354	352	352	348	379	0	11	20	472	0	00	335	137
3				346	346	348	350	348	350	354	381	413	461	455	454	432	413	395	373	356	351	352	350	344	348	347	346	376	0	9	44	497	20	53	341	156
4			✓	343	335	347	347	337	333	335	347	392	434	457	468	478	448	421	388	355	331	337	345	348	327	323	319	371	0	11	04	498	22	17	307	191
5			✓	327	325	329	331	327	331	336	352	380	390	401	418	407	362	325	335	300	287	292	299	305	307	301	300	336	1	11	51	435	17	36	281	154
6			✓	303	305	315	329	334	333	331	339	376	371	384	388	395	391	384	361	350	336	335	335	335	337	335	335	347	0	12	54	405	1	19	299	106
7				339	337	338	339	338	337	350	374	406	426	422	412	395	388	371	352	335	329	336	338	331	325	323	321	357	0	10	02	436	24	00	319	117
8				320	329	335	335	331	333	315	321	352	379	399	410	402	384	367	357	355	353	356	354	350	350	348	343	353	0	11	50	413	6	41	309	104
9				338	339	340	340	342	342	346	361	393	427	439	429	408	401	368	343	347	346	346	348	348	348	346	345	364	0	10	49	444	0	32	335	109
10			✓	348	354	365	367	372	366	370	382	382	406	435	458	419	379	390	376	354	340	335	338	337	334	334	334	370	0	10	37	485	21	27	330	155
11				334	331	335	336	338	338	335	344	358	386	385	387	366	376	373	368	361	351	346	346	346	350	350	345	354	0	10	11	408	6	54	328	80
12	✓			344	346	350	351	354	356	364	385	413	428	435	435	433	422	408	386	367	352	352	350	350	350	349	348	376	0	11	18	440	0	44	343	97
13	✓	✓		350	352	354	356	356	361	367	382	408	426	430	423	414	401	385	373	371	365	361	359	356	358	359	358	376	0	10	30	435	0	04	349	86
14	✓			361	359	358	357	358	360	369	381	403	430	430	427	412	397	382	377	363	348	342	336	341	344	348	348	372	0	10	44	440	19	35	333	107
15	✓	✓		352	352	352	354	357	365	378	395	416	435	439	419	406	395	383	371	364	352	348	348	346	346	350	348	374	0	10	37	443	20	53	342	101
16				345	341	340	344	346	348	354	374	392	412	412	414	408	394	381	371	365	358	356	356	356	354	353	353	368	0	10	56	417	2	59	335	82
17	✓			351	350	349	348	352	358	370	392	422	437	435	440	430	428	401	383	371	358	350	346	358	365	357	352	379	0	11	37	446	19	13	341	105
18				348	346	348	358	356	357	359	386	417	440	428	424	424	410	401	391	371	369	363	358	346	354	349	348	377	0	9	47	447	20	10	340	107
19				338	344	349	348	356	358	365	384	395	422	408	420	410	393	360	348	346	348	350	354	353	343	339	346	366	0	11	53	437	0	52	334	103
20			✓	334	329	338	341	343	348	352	354	380	407	416	369	323	329	333	332	328	318	321	320	325	329	329	331	343	1	9	25	450	12	15	301	149
21	✓			330	331	328	328	331	333	335	348	369	384	388	379	365	344	333	334	340	340	338	339	337	338	339	338	345	0	10	38	393	3	38	326	67
22				337	336	335	334	333	338	344	367	404	429	437	428	406	379	360	348	350	350	348	343	344	344	341	337	361	0	10	41	444	4	12	331	113
23				333	331	329	332	332	340	350	363	384	406	419	410	399	380	382	377	366	354	352	347	344	342	344	345	361	0	10	21	422	2	04	328	94
24	✓	✓		344	344	342	344	346	354	361	367	371	376	386	389	386	380	369	359	352	352	352	352	350	350	352	354	360	0	11	12	397	2	15	340	57
25	✓	✓		356	356	356	357	358	367	373	385	409	418	422	415	404	386	380	378	373	360	356	346	331	323	333	338	370	0	8	50	433	21	02	320	113
26				334	335	338	339	346	352	356	372	388	383	368	346	341	336	346	358	364	353	350	346	342	335	330	331	350	0	10	17	399	22	49	329	70
27	✓	✓		333	334	338	338	341	350	365	375	390	393	376	358	356	361	365	376	374	363	356	356	356	346	344	344	358	0	8	42	402	0	57	329	73
28				344	344	344	343	341	345	361	376	401	414	415	417	412	404	388	375	372	361	360	361	356	352	354	356	371	0	12	42	422	4	32	340	82
29				356	354	356	356	354	346	340	351	380	406	417	422	411	398	387	374	367	360	352	352	348	346	348	348	368	0	10	57	428	6	36	335	93
30				350	356	354	356	356	356	363	365	415	435	430	414	399	388	372	360	345	345	344	344	344	346	348	348	368	0	9	39	453	16	57	339	114
31																																				
MEANS ALL DAYS				341	341	343	345	346	348	354	369	395	416	420	416	403	389	376	365	355	348	346	346	344	343	342	341	364								109
MEANS TEN DAYS ✱				346	346	347	348	350	355	364	380	403	418	421	413	401	388	376	368	362	354	350	348	347	346	347	346	368								95
MEANS FIVE DAYS † (G. M. T.)				347	348	348	350	352	359	369	381	399	410	411	401	393	385	376	371	367	358	350 355	346 352	345	344	345	345	367								
MEANS FIVE DAYS ‡ (G. M. T.)				331	330	339	343	343	342	345	355	382	402	419	420	404	382	371	358	337	322	324	339	340	335	331	331	355								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
[ ] = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 340

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1944 — DECEMBER 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				349	350	355	358	360	360	362	362	368	418	411	443	439	420	397	367	355	345	343	340	336	341	347	344	370	0	12	14	460	20	24	330	130
2				334	333	338	343	339	337	320	312	351	402	436	406	359	337	314	316	330	330	334	330	321	320	328	330	342	1	10	38	459	14	47	295	164
3				334	342	338	339	342	347	343	359	379	390	395	401	383	370	357	349	345	337	338	339	342	337	332	343	353	0	11	45	413	22	36	330	83
4	✓			336	336	335	337	339	339	337	351	384	421	440	436	412	392	360	343	340	334	338	343	344	345	340	336	359	0	11	20	445	17	38	331	114
5				336	337	338	332	339	341	339	338	363	381	390	409	419	413	380	353	345	328	328	323	313	318	331	326	351	0	12	50	424	20	26	311	113
6	✓			324	324	330	332	343	349	347	347	362	391	385	390	392	387	375	357	349	345	343	343	341	340	340	341	353	0	9	53	403	1	16	319	84
7	✓	✓		340	339	337	343	345	347	343	337	345	360	383	394	400	398	379	368	359	349	349	351	349	349	349	348	357	0	13	09	408	7	04	335	73
8	✓			349	350	349	353	357	355	347	345	360	370	398	423	405	392	383	375	371	362	350	343	346	333	341	337	362	0	11	37	434	23	03	326	108
9				335	341	347	353	350	351	357	361	370	387	392	375	348	348	331	355	360	355	346	337	329	330	330	335	351	0	10	32	401	14	32	308	93
10	✓	✓		342	345	345	346	347	345	338	339	373	402	425	433	422	413	420	398	375	360	349	343	341	342	343	345	368	0	12	00	442	6	58	308	134
11	✓	✓		347	350	349	349	351	353	344	345	364	390	401	385	392	389	390	389	379	365	355	351	347	343	341	344	363	0	10	27	423	7	00	333	90
12	✓			352	356	358	364	368	364	354	356	366	388	398	396	403	396	371	377	379	366	357	354	355	357	351	347	368	0	12	20	412	23	59	339	73
13			✓	351	354	355	359	364	379	381	409	378	381	416	381	355	267	325	330	338	325	326	308	300	300	315	304	346	2	10	43	533	13	07	228	305
14				301	306	308	310	313	318	326	337	353	362	357	351	349	332	320	328	334	328	325	324	324	324	325	326	328	0	9	22	372	0	00	295	77
15				326	326	322	322	324	328	336	357	394	438	452	434	429	407	418	386	358	335	330	353	344	346	352	371	366	0	13	56	470	18	05	316	154
16			✓	377	361	363	349	359	378	359	343	392	304	144	88	126	158	247	245	211	206	215	220	240	238	241	243	267	2	8	30	491	12	02	-51	542
17			✓	252	240	244	253	251	241	260	264	276	355	366	351	296	251	201	212	212	226	249	254	274	272	268	272	264	2	10	09	427	14	03	159	268
18			✓	285	286	270	262	262	270	275	306	332	366	386	390	364	318	296	282	284	289	292	298	301	294	298	304	305	0	11	02	422	3	30	257	165
19				293	288	284	286	290	291	296	307	338	377	412	409	391	345	308	285	278	284	290	294	296	294	300	298	314	0	10	27	432	15	45	272	160
20				297	297	297	301	302	301	305	324	344	420	442	438	422	393	304	285	283	291	299	297	291	293	299	314	327	0	10	45	452	16	21	275	177
21				307	308	303	305	305	314	317	335	366	389	416	420	402	367	321	285	277	293	306	309	307	304	307	309	328	0	11	04	433	16	36	273	160
22				313	317	317	321	322	330	338	344	350	380	420	399	384	361	337	290	287	287	294	303	311	313	317	317	331	0	10	40	438	17	20	278	160
23	✓			316	318	316	317	320	326	331	343	371	403	418	426	411	379	351	328	310	308	316	320	316	318	318	318	342	0	11	05	436	16	58	303	133
24	✓	✓		320	322	322	324	325	331	336	341	357	373	380	377	376	351	335	324	318	314	316	318	318	312	312	314	334	0	10	30	414	21	50	311	103
25	✓	✓		314	314	315	316	322	331	337	345	360	377	381	373	373	349	337	326	323	324	324	321	320	322	322	320	335	0	10	20	387	0	02	313	74
26				321	321	321	321	325	346	363	373	403	406	398	382	371	315	321	314	311	329	342	340	336	311	320	334	343	1	12	14	431	15	40	297	134
27			✓	334	323	325	323	323	321	319	311	321	309	306	261	238	199	222	204	212	216	212	236	279	283	283	281	277	1	10	33	346	13	55	170	176
28				283	293	293	299	309	317	346	380	398	397	388	334	285	273	283	309	321	319	309	304	303	302	308	312	319	0	10	04	424	13	11	261	163
29				306	300	300	302	302	310	326	356	395	421	421	375	343	311	276	281	297	318	314	299	299	295	322	316	324	0	10	11	430	14	29	259	171
30				312	312	306	318	318	316	327	349	386	425	445	421	372	326	284	292	282	287	306	311	310	309	311	310	331	0	10	50	457	14	28	269	188
31				308	307	309	309	312	318	335	361	399	415	413	366	320	265	256	288	309	306	308	313	312	309	307	307	323	0	10	06	429	13	56	242	187
MEANS ALL DAYS				322	322	322	324	327	331	334	343	364	387	394	383	367	343	329	321	317	315	316	317	318	316	319	321	335								153
MEANS TEN DAYS *				334	335	336	338	342	344	341	345	364	388	401	403	399	385	370	358	350	343	340	339	338	336	336	335	354								99
MEANS FIVE DAYS † (G. M. T.)				333	334	334	336	338	341	340	341	360	380	394	392	393	380	372	361	351	343	334 339	332 337	329	328	329	331	350								
MEANS FIVE DAYS ‡ (G. M. T.)				320	313	311	309	312	318	319	327	340	343	324	294	276	239	258	255	251	252	259	304	310	305	306	313	298								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 341

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1				114	114	114	114	117	119	121	123	117	110	114	120	118	116	111	111	115	114	115	118	118	117	116	115	116	1	6 57	126	9 10	108	18
2				116	116	115	116	117	118	119	122	120	116	117	117	114	109	106	102	100	106	111	114	115	116	116	116	114	0	7 50	123	16 16	99	24
3	✓	✓		115	115	116	117	118	117	117	121	126	127	129	125	119	115	116	114	109	110	114	117	118	118	117	116	118	0	10 17	131	17 10	108	23
4	✓	✓		116	116	115	117	118	119	118	129	127	122	126	123	124	120	102	93	97	106	112	113	114	114	113	113	115	0	7 50	130	15 42	91	39
5				115	115	114	117	119	117	114	113	110	108	108	104	101	105	111	109	106	112	117	118	119	118	118	117	113	0	5 00	121	12 45	100	21
6	✓	✓		117	117	117	117	120	120	118	118	120	118	125	126	133	130	129	118	108	108	113	116	116	116	117	117	119	0	12 42	134	17 00	104	30
7	✓	✓		117	117	117	117	118	117	116	121	122	122	124	125	122	126	126	121	117	117	121	121	119	119	119	118	120	0	14 05	128	17 10	114	14
8	✓			118	118	118	119	120	121	119	121	121	125	123	118	117	121	124	122	122	123	121	121	119	118	119	120	120	0	9 55	126	12 30	116	10
9				119	119	118	119	119	119	117	117	111	106	109	104	101	107	115	112	112	117	117	118	118	117	117	117	114	0	5 34	121	12 28	100	21
10				117	117	117	118	118	117	115	118	117	117	112	105	100	94	97	102	107	103	108	115	114	112	109	112	111	0	4 27	121	13 50	93	28
11			✓	110	113	114	115	117	121	118	117	113	110	108	105	105	110	120	125	120	116	117	117	117	117	116	116	115	1	15 17	127	12 19	103	24
12				115	113	113	116	119	120	120	125	125	112	105	114	116	115	116	113	113	114	114	114	117	116	115	113	116	0	8 26	128	10 10	103	25
13			✓	113	116	116	117	119	119	120	132	140	144	142	135	122	127	130	129	119	112	116	116	117	117	116	116	123	1	9 20	145	17 33	111	34
14			✓	116	115	116	117	118	120	121	120	113	109	107	102	94	96	96	100	108	113	117	117	117	117	114	113	112	0	7 00	124	12 30	92	32
15			✓	114	115	116	117	118	118	121	136	137	141	133	130	130	128	122	107	100	105	112	114	117	116	116	116	120	1	9 34	144	15 25	97	47
16			✓	115	114	116	116	117	119	116	111	109	105	109	105	105	108	107	100	103	112	116	118	118	117	116	116	112	0	5 40	121	16 16	99	22
17				112	114	115	116	118	117	120	125	124	123	123	119	111	110	105	97	102	110	116	117	117	117	116	115	115	0	8 35	130	15 40	95	35
18				115	116	116	116	117	118	122	122	116	113	107	103	104	105	110	108	114	119	119	119	118	117	117	116	114	0	7 30	123	11 59	99	24
19				115	115	116	117	118	116	117	129	138	137	137	137	123	114	116	119	116	115	114	115	117	118	117	117	121	0	11 35	140	17 56	113	27
20				116	116	117	119	119	119	120	126	125	120	119	121	117	113	112	105	102	109	115	118	118	117	117	118	117	0	8 12	127	16 08	100	27
21	✓			118	118	117	118	118	119	122	129	134	137	140	132	125	109	104	108	105	110	113	114	115	117	117	117	119	0	10 20	142	14 05	99	43
22	✓			115	116	117	118	120	119	118	121	122	120	124	127	122	114	107	106	109	115	119	118	119	118	118	118	118	0	11 21	128	15 00	104	24
23				117	115	116	117	118	119	119	123	123	130	135	135	131	130	128	115	116	116	117	118	118	117	117	117	121	0	11 00	136	16 00	111	25
24				118	119	120	120	121	120	116	115	112	114	115	119	125	123	118	113	110	114	117	119	120	119	118	118	118	0	12 50	128	16 22	108	20
25	✓			117	118	118	118	119	119	120	123	117	113	121	124	127	130	128	124	124	120	119	118	118	118	118	119	120	0	13 15	131	9 18	109	22
26				119	118	118	119	120	120	117	118	121	120	114	111	114	112	109	110	108	114	116	117	118	117	118	117	116	0	8 10	125	16 27	107	18
27				115	116	118	120	121	121	120	128	133	129	121	114	116	121	126	135	133	124	120	120	119	119	118	117	122	0	15 25	137	11 35	112	25
28				116	116	118	119	120	121	121	126	123	115	112	113	108	107	102	107	109	113	118	119	118	117	116	116	115	0	7 50	127	14 35	101	26
29	✓			117	117	118	119	121	121	119	125	126	122	123	124	122	119	118	114	114	115	116	118	118	118	117	117	119	0	8 05	127	15 40	113	14
30	✓	✓		118	118	118	119	120	122	122	129	136	133	127	123	121	121	118	120	121	120	120	122	121	120	120	120	122	0	8 48	139	14 20	117	22
31				119	119	118	120	120	121	116	115	116	115	110	109	114	116	120	127	124	120	120	121	122	121	120	119	118	0	15 25	130	11 20	108	22
MEANS ALL DAYS				116	116	117	118	119	119	119	123	122	120	120	118	116	115	114	112	112	114	116	117	118	117	117	117	117						25
MEANS TEN DAYS *				117	117	117	118	119	119	119	124	125	124	126	125	123	120	117	114	113	114	117	118	118	118	118	118	119						24
MEANS FIVE DAYS † (G. M. T.)				117	117	117	117	119	119	118	124	126	124	126	124	124	122	118	113	110	112	114 116	117 118	117	117	117	117	119						
MEANS FIVE DAYS ‡ (G. M. T.)				114	115	116	116	118	119	119	123	122	122	120	115	111	114	115	112	110	112	116	115	116	116	114	114	116						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 342

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1944 — FEBRUARY 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			119	119	119	120	121	122	122	123	120	115	110	109	104	98	106	114	119	119	120	122	121	120	119	118	117	0	6	50	124	13	30	97	27
2				119	118	118	120	120	120	119	126	131	134	135	137	135	122	107	100	100	110	118	121	121	121	121	121	121	0	12	00	140	16	15	98	42
3	✓	✓		121	120	119	119	122	121	122	127	129	127	126	133	141	146	130	114	110	112	118	121	122	122	121	121	124	0	13	22	149	16	28	109	40
4				119	119	119	119	119	118	121	125	123	125	130	131	135	137	127	120	113	111	117	118	118	118	118	118	122	0	12	55	142	17	17	109	33
5				117	116	116	118	118	118	116	118	119	117	115	111	111	114	114	122	122	118	122	123	122	122	122	121	118	0	15	42	125	11	31	109	16
6	✓			121	121	122	122	123	122	119	125	124	122	121	120	114	121	128	124	121	115	122	125	124	124	123	122	122	0	14	12	130	12	34	111	19
7			✓	119	118	118	119	118	121	122	125	138	144	148	143	130	113	97	93	97	109	114	116	113	115	116	117	119	1	10	54	154	15	50	89	65
8			✓	117	116	116	118	120	118	119	129	133	137	129	123	129	137	140	134	130	125	125	123	121	120	119	119	125	1	14	10	143	2	11	114	29
9			✓	118	118	116	118	121	121	121	129	128	132	128	124	118	125	129	127	125	120	120	119	118	117	117	117	122	1	9	31	134	2	31	115	19
10				116	118	118	118	119	118	120	121	117	114	111	99	103	109	114	123	128	124	122	122	119	119	118	119	117	0	16	30	130	12	00	97	33
11				117	118	118	119	121	121	121	128	125	118	112	104	101	104	112	119	121	118	117	118	117	117	116	114	116	0	7	52	131	13	04	100	31
12				116	117	117	118	120	119	117	122	120	116	114	112	115	121	122	123	120	122	122	120	119	118	117	117	118	0	15	17	124	11	04	108	16
13				116	116	117	118	119	119	118	129	131	127	122	116	110	113	118	125	130	124	117	119	116	113	114	113	119	0	8	29	133	12	49	109	24
14			✓	110	109	113	113	121	121	120	128	130	127	118	109	104	105	107	113	117	124	120	118	118	117	117	116	116	1	8	53	133	13	04	101	32
15			✓	116	118	118	120	121	121	125	135	146	147	143	136	128	121	109	112	115	112	113	120	121	121	120	120	123	0	9	14	151	14	43	106	45
16				119	119	121	122	123	124	125	129	128	119	115	107	102	103	106	107	110	114	119	119	119	119	119	119	117	0	7	54	131	12	34	99	32
17				120	119	120	120	122	123	120	126	126	124	116	116	120	121	115	113	115	120	118	117	118	118	118	118	119	0	7	50	129	15	17	112	17
18	✓	✓		119	119	119	119	120	122	124	133	139	138	134	130	127	127	127	122	113	113	115	117	119	120	120	117	123	0	9	00	141	17	00	111	30
19	✓			117	118	119	119	120	120	119	124	129	133	134	125	122	128	127	123	120	115	117	119	120	120	120	120	122	0	10	07	136	17	50	114	22
20				120	119	119	119	120	121	121	126	133	140	153	144	144	141	137	124	114	112	116	118	119	119	119	119	126	1	10	22	156	17	13	111	45
21				117	117	119	119	120	122	119	120	122	118	115	116	120	122	123	119	115	112	118	119	119	119	119	119	119	0	14	17	124	17	30	111	13
22				119	119	119	119	120	119	115	117	122	122	116	110	111	119	131	133	127	122	120	119	119	119	119	119	120	0	15	21	134	11	20	109	25
23	✓			120	121	121	121	121	120	117	122	127	127	130	136	142	148	148	138	127	117	118	119	119	119	119	119	126	0	13	40	149	17	49	115	34
24	✓	✓		119	120	121	121	122	121	120	119	116	114	110	104	101	103	107	114	119	117	119	120	119	119	119	119	116	0	4	30	123	12	20	99	24
25	✓	✓		119	119	119	120	122	122	120	124	124	127	123	116	114	115	122	124	124	122	122	119	119	119	119	119	121	0	9	40	128	12	14	113	15
26	✓			118	119	119	120	122	122	119	119	119	115	112	112	119	123	122	118	118	117	118	119	119	119	118	118	118	0	13	10	124	11	10	110	14
27	✓	✓		118	118	119	119	120	120	117	119	120	123	125	124	119	117	118	116	115	115	115	118	119	119	118	118	119	0	11	00	128	16	30	114	14
28				117	118	119	119	120	121	124	131	133	131	131	126	126	125	120	119	118	119	119	119	119	119	119	117	122	0	8	40	134	23	44	116	18
29				117	115	116	117	119	121	123	129	132	129	130	128	125	122	114	107	104	108	115	117	118	116	115	114	119	0	8	25	134	16	20	103	31
30																																				
31																																				
MEANS ALL DAYS				118	118	118	119	120	121	120	125	127	126	124	121	120	121	120	119	117	117	118	119	119	119	119	118	120								28
MEANS TEN DAYS *				119	119	120	120	121	121	120	124	125	124	122	121	120	123	124	121	119	116	118	120	120	120	120	119	121								24
MEANS FIVE DAYS † (G. M. T.)				119	119	119	120	121	121	121	124	126	126	124	121	120	122	121	118	116	116	118 118	119 119	119	119	119	119	120							
MEANS FIVE DAYS ‡ (G. M. T.)				116	116	116	118	120	120	121	129	135	137	133	127	122	120	116	116	117	118	118	120	118	118	118	117	121								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 343

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1944 — MARCH 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		115	116	119	118	119	120	117	116	115	118	121	120	120	114	109	105	107	110	111	115	115	116	117	116	115	0	11 00	123	15 10	104	19
2	✓			116	116	117	118	119	120	121	125	127	131	132	136	136	130	120	111	108	109	111	114	116	116	116	115	120	0	11 38	138	16 40	106	32
3	✓	✓		116	116	117	117	118	118	116	116	118	120	124	134	136	140	137	132	128	123	120	119	119	118	115	115	122	0	13 55	141	23 07	114	27
4				115	114	118	117	119	117	116	120	124	132	127	124	123	120	116	113	111	107	110	114	114	113	113	113	117	1	9 18	136	17 46	106	30
5				114	114	114	116	116	117	114	111	109	105	101	101	103	107	109	110	110	112	114	112	112	112	113	112	111	0	5 29	118	11 16	100	18
6				112	114	113	114	115	116	115	117	123	121	121	119	120	119	117	120	117	112	115	114	116	114	113	113	116	1	8 56	126	17 14	110	16
7			✓	116	115	113	114	116	117	114	113	113	108	102	103	105	108	110	108	108	111	114	116	115	116	115	114	112	1	5 50	118	10 44	100	18
8				115	114	115	117	117	117	116	121	123	116	112	110	104	102	103	107	111	112	114	114	112	112	115	116	113	0	8 03	125	13 59	99	26
9				113	114	116	116	117	117	116	118	118	116	109	106	107	114	117	116	116	114	116	117	116	117	116	113	115	1	8 13	119	12 30	104	15
10			✓	114	114	116	116	117	118	119	123	125	120	116	116	108	104	105	107	103	105	112	115	116	114	116	114	114	1	8 13	128	16 50	101	27
11				114	116	117	116	116	118	117	116	113	109	105	102	101	98	105	112	117	115	116	114	115	115	115	116	112	0	6 01	121	13 34	96	25
12				115	115	117	117	117	118	115	113	110	106	106	109	111	117	114	117	118	118	117	118	116	117	114	116	115	1	19 30	121	10 01	102	19
13				117	116	117	117	118	118	119	121	120	117	116	113	112	112	109	106	109	113	115	115	114	115	117	117	115	0	7 31	122	15 33	106	16
14				115	117	117	118	119	120	121	124	122	117	112	110	105	101	97	96	102	109	114	117	117	116	116	115	113	0	8 00	125	15 26	94	31
15	✓	✓		116	116	117	118	119	120	120	122	122	121	119	117	113	110	113	113	117	118	118	118	117	117	115	115	117	0	7 50	123	13 35	109	14
16	✓			117	118	118	119	120	120	119	123	122	119	120	117	110	104	98	97	102	109	113	115	114	115	116	116	114	0	7 43	124	15 04	95	29
17	✓	✓		116	116	117	118	119	119	118	117	119	119	118	117	111	109	106	107	112	117	118	118	117	117	117	118	116	0	9 04	121	14 57	104	17
18				118	119	118	120	121	121	121	120	116	113	113	114	110	100	96	99	108	115	112	112	112	113	111	114	113	0	4 20	122	14 34	93	29
19			✓	115	115	117	118	120	119	120	120	120	118	118	118	114	108	102	95	99	108	113	116	116	116	116	115	114	1	6 50	123	15 36	94	29
20	✓			116	117	118	119	120	120	117	117	119	116	110	108	104	95	96	99	104	111	115	117	117	116	117	116	113	0	5 40	121	14 00	92	29
21	✓			116	118	119	119	120	120	117	115	116	117	118	120	122	125	120	119	119	119	119	117	116	117	114	115	118	0	13 05	128	22 35	113	15
22				118	118	118	119	119	120	119	120	118	117	117	121	123	122	118	117	116	115	116	116	115	116	117	117	118	0	12 43	125	17 40	114	11
23	✓			117	117	118	120	120	119	117	114	112	111	110	114	117	127	134	135	130	122	121	119	118	118	118	118	119	0	15 20	137	10 21	109	28
24	✓	✓		118	119	120	120	121	121	120	117	112	107	102	102	103	103	107	115	117	117	118	116	116	116	116	115	114	0	4 32	123	10 57	99	24
25				116	117	118	119	121	118	119	122	121	113	99	92	86	86	93	106	111	114	118	115	116	118	116	113	111	0	7 35	123	13 26	81	42
26			✓	117	118	121	119	118	119	118	123	120	105	93	93	90	94	97	104	108	115	114	110	110	112	117	113	110	1	7 34	127	12 10	89	38
27			✓	109	118	115	115	118	120	120	123	120	115	107	111	114	113	110	115	120	121	118	118	119	119	118	120	116	1	7 43	125	10 33	105	20
28				120	120	120	122	122	121	125	131	131	126	121	119	119	116	114	113	113	116	116	116	116	118	120	122	120	0	7 50	133	16 50	111	22
29				121	121	121	124	119	123	120	118	113	109	107	106	111	112	109	109	116	117	118	118	119	119	120	120	116	0	3 18	127	11 36	104	23
30				120	122	120	120	121	120	121	120	118	115	111	106	102	98	98	101	105	109	115	117	119	119	121	119	114	0	1 30	124	14 40	97	27
31				119	119	119	121	121	119	119	117	114	114	114	114	119	120	117	111	112	115	116	118	119	119	119	119	117	0	4 00	124	15 40	110	14
MEANS ALL DAYS				116	117	117	118	119	119	118	119	118	116	113	113	112	111	110	110	112	114	115	116	116	116	116	116	115						24
MEANS TEN DAYS *				116	117	118	119	120	120	118	118	118	118	117	118	117	116	114	113	114	116	116	117	116	117	116	116	117						23
MEANS FIVE DAYS † (G. M. T.)				116	117	118	118	119	120	118	118	117	117	117	118	117	115	114	114	116	117	115 117	116 117	117	116	116	116	117						
MEANS FIVE DAYS ‡ (G. M. T.)				114	116	116	116	118	119	118	120	120	113	107	108	106	105	105	106	108	112	114	114	114	115	115	113	113						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 344

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1944 — APRIL 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				119	119	120	121	122	121	122	122	119	114	108	106	104	100	99	102	105	109	115	115	114	113	116	120	114	0	7	20	123	14	33	96	27
2			✓	120	118	120	114	125	127	130	148	135	118	103	98	103	107	111	108	111	115	119	117	116	118	116	120	117	2	7	20	151	11	50	96	55
3				118	118	120	120	120	120	119	117	114	111	106	107	107	104	99	97	100	108	116	117	117	118	119	118	113	1	4	41	121	15	47	96	25
4			✓	119	119	117	120	120	121	122	120	115	116	112	113	115	111	104	107	111	115	117	119	118	119	119	118	116	0	6	23	124	14	50	103	21
5			✓	118	120	120	121	122	123	122	118	111	104	95	92	100	101	104	105	111	115	118	121	119	118	119	119	113	1	6	21	125	11	13	91	34
6			✓	121	119	121	121	121	124	125	126	123	121	113	110	110	114	113	112	112	116	119	118	117	116	118	119	118	1	7	11	127	12	25	106	21
7				120	120	120	121	122	121	122	121	118	115	112	115	123	122	119	112	112	120	121	121	121	121	120	120	119	0	12	50	126	15	45	110	16
8				120	121	121	122	122	124	125	125	125	118	114	111	109	104	101	103	109	113	116	116	117	118	118	119	116	0	8	02	127	14	46	100	27
9				120	121	121	121	122	122	125	128	125	118	107	105	101	96	90	93	105	116	119	118	120	119	119	119	115	0	7	42	129	14	32	89	40
10				116	119	121	123	123	121	125	129	124	116	109	107	108	109	110	111	116	117	118	119	120	121	120	121	118	0	7	18	131	11	03	106	25
11				120	121	121	124	123	122	124	129	126	120	114	108	108	111	111	113	117	120	120	120	120	119	121	121	119	0	7	43	130	12	10	107	23
12				121	122	122	123	123	123	124	125	124	122	119	115	115	115	115	115	115	119	120	120	121	121	121	121	120	0	7	21	126	15	10	112	14
13	✓	✓		122	123	123	123	124	124	123	120	116	113	106	105	111	112	110	110	113	117	119	119	120	120	121	121	117	0	6	20	125	11	10	104	21
14	✓	✓		121	122	122	123	124	124	127	129	130	125	120	120	120	118	114	115	118	118	119	119	119	120	120	120	121	0	8	07	132	14	20	113	19
15				120	121	121	123	123	124	124	122	119	117	113	111	110	110	105	101	107	113	119	119	119	117	117	118	116	0	6	30	125	15	14	99	26
16			✓	119	119	119	119	120	125	132	147	152	137	119	109	102	102	106	109	111	115	118	119	120	121	120	120	120	1	8	16	156	12	53	100	56
17	✓			121	121	122	122	124	124	125	127	127	124	127	126	126	126	128	125	122	118	117	119	122	121	122	122	123	0	14	10	130	18	10	116	14
18	✓			122	123	123	123	124	123	122	117	110	105	102	103	109	113	116	116	115	114	117	117	118	120	120	121	116	0	3	20	125	10	40	101	24
19	✓	✓		120	120	121	121	121	121	118	112	108	104	103	105	112	120	124	123	118	115	116	117	117	118	118	118	116	0	15	09	125	10	27	101	24
20	✓			119	121	121	121	122	122	120	119	113	109	108	111	113	121	125	123	119	116	114	114	116	117	117	118	117	0	14	42	126	10	21	106	20
21	✓			118	119	119	121	122	122	121	116	114	113	113	118	124	126	122	120	118	117	116	114	116	116	116	117	118	0	13	20	128	10	00	110	18
22	✓	✓		118	118	118	120	120	121	122	118	111	104	96	91	89	94	98	103	109	110	112	113	114	116	117	117	110	0	6	00	123	12	27	88	35
23	✓	✓		118	118	119	119	120	121	117	112	108	103	102	103	103	109	117	118	117	117	116	117	119	119	119	118	115	0	20	21	122	10	59	101	21
24				117	118	119	121	121	122	122	118	113	107	101	99	102	110	116	116	117	119	117	116	119	121	119	120	115	0	4	46	123	11	20	98	25
25	✓			119	120	121	121	121	121	122	125	125	122	119	114	110	110	110	114	116	119	118	118	119	121	119	120	118	0	8	40	126	13	30	109	17
26				121	120	121	121	122	121	122	126	126	123	117	114	112	117	121	122	119	118	118	117	119	119	119	121	120	0	7	35	127	12	03	110	17
27				119	121	122	122	122	123	126	129	126	119	113	107	106	105	106	110	112	116	117	117	119	119	121	119	117	0	7	31	130	14	10	104	26
28				120	122	121	123	123	123	126	132	129	124	122	114	107	103	102	107	112	115	117	118	119	120	119	118	118	0	7	37	134	14	15	101	33
29				118	120	122	123	123	123	128	127	124	124	120	115	106	105	108	108	109	114	115	116	118	119	119	119	118	0	6	48	131	12	48	103	28
30				120	119	119	121	122	123	123	121	115	111	110	111	113	116	118	119	116	114	113	116	119	120	120	120	117	0	4	13	124	10	57	109	15
31																																				
MEANS ALL DAYS				119	120	121	121	122	123	124	124	121	116	111	109	109	110	111	111	113	116	117	118	118	119	119	119	117								26
MEANS TEN DAYS *				120	120	121	121	122	122	122	120	116	112	110	110	112	115	116	117	116	116	116	117	118	119	119	119	117								21
MEANS FIVE DAYS † (G. M. T.)				120	120	121	121	122	122	121	118	115	110	105	105	107	111	113	114	115	115	117 116	117 116	118	119	119	119	116								
MEANS FIVE DAYS ‡ (G. M. T.)				119	119	119	119	122	124	126	132	127	119	108	104	106	107	108	108	111	115	118	118	117	117	118	119	117								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 345

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1944

MAY 1944

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	121	119	120	122	124	123	118	116	109	106	108	115	118	115	118	118	117	117	117	119	119	119	119	118	117	1	3 53	125	9 34	102	23
2			✓	121	118	121	122	122	122	127	131	133	132	127	121	126	126	118	113	110	113	117	117	119	119	119	119	121	1	8 16	134	16 56	109	25
3				119	121	121	122	121	123	124	126	129	128	126	122	119	116	107	107	111	115	117	118	118	119	120	120	120	0	8 49	131	15 09	106	25
4			✓	120	120	121	121	122	122	125	129	126	123	118	110	106	98	97	98	108	115	115	117	115	119	119	120	116	1	7 14	131	15 02	96	35
5				120	119	120	121	121	120	122	121	114	110	105	100	98	98	105	107	111	115	116	115	117	119	120	120	114	0	6 31	124	13 04	95	29
6			✓	120	120	121	120	120	119	122	128	127	126	124	123	119	118	118	119	118	117	117	118	119	120	120	120	121	0	7 35	129	18 02	114	15
7				120	120	120	120	122	123	125	125	118	106	99	96	99	99	99	106	112	118	119	119	121	120	120	120	114	0	6 52	128	11 27	95	33
8				121	120	122	123	124	124	124	121	118	113	109	105	103	105	106	109	112	118	119	119	119	120	120	120	116	0	4 13	125	12 36	102	23
9				120	121	122	122	123	124	125	127	125	121	119	115	117	113	102	103	108	115	118	119	119	121	120	121	118	0	7 38	128	14 49	100	28
10	✓			121	121	121	122	122	123	123	124	119	115	106	102	106	110	111	107	107	112	117	119	120	121	121	122	116	0	6 59	125	11 20	101	24
11				121	122	123	123	123	124	126	123	119	111	106	103	103	110	113	107	107	114	117	117	119	121	122	122	116	0	6 31	127	11 59	101	26
12				122	122	122	123	123	124	125	126	121	110	106	102	101	103	105	103	106	113	117	118	119	120	119	120	115	0	7 26	128	12 16	100	28
13	✓	✓		120	121	121	122	122	122	123	128	128	128	125	123	124	127	123	113	112	116	119	120	121	120	121	121	122	0	8 19	130	15 49	111	19
14	✓			120	120	121	123	123	123	124	122	118	117	116	111	109	109	105	103	107	115	117	118	119	120	119	119	117	0	6 29	125	15 19	102	23
15				121	121	121	123	123	125	126	123	120	119	115	113	107	107	103	102	105	114	118	120	120	121	121	121	117	0	6 29	128	15 43	101	27
16	✓	✓		120	120	121	122	122	122	124	123	120	118	117	113	112	108	106	102	105	113	116	118	119	121	121	121	117	0	6 28	125	15 48	100	25
17	✓			121	122	123	123	124	122	123	123	117	116	119	122	122	112	110	108	108	114	116	118	119	120	121	121	118	0	4 30	125	16 10	107	18
18	✓	✓		121	122	122	123	123	123	124	124	127	133	134	128	125	124	124	121	117	116	118	119	119	121	121	121	123	0	9 59	136	16 59	115	21
19	✓			122	122	123	123	123	123	125	124	122	121	120	118	124	126	120	115	111	115	118	119	121	121	121	121	121	0	13 15	128	16 29	110	18
20	✓	✓		122	122	122	122	123	123	124	124	124	125	131	137	136	129	126	122	117	117	118	118	119	120	119	119	123	0	11 58	139	17 09	115	24
21	✓	✓		120	121	120	121	122	122	123	120	117	115	115	113	111	112	112	114	117	118	118	120	120	120	120	119	118	0	6 12	124	12 07	110	14
22	✓			121	122	121	122	122	122	123	119	115	110	109	113	110	110	110	111	114	116	119	119	120	119	119	119	117	0	6 42	125	9 59	107	18
23				119	121	122	123	122	122	122	117	114	113	110	111	110	113	118	118	113	115	116	118	119	121	121	121	117	0	3 00	124	11 59	108	16
24				122	121	123	121	121	121	122	123	120	118	118	121	121	119	122	124	124	121	121	121	120	120	120	120	121	0	16 11	126	9 26	116	10
25				119	120	121	122	123	124	125	122	114	107	105	112	111	112	116	114	110	112	116	116	117	118	118	119	116	0	6 47	126	10 36	104	22
26				119	119	119	121	122	123	125	126	120	114	109	105	106	111	111	102	105	111	117	119	119	119	119	119	116	0	6 42	127	15 31	101	26
27				120	119	119	120	121	123	124	131	131	130	130	132	128	119	116	112	111	114	118	119	119	120	119	119	121	0	11 23	133	16 19	109	24
28				120	119	120	120	121	122	120	119	115	110	105	103	107	113	111	107	110	114	117	116	118	118	118	118	115	0	5 57	123	11 29	102	21
29			✓	119	120	119	120	120	122	123	124	119	114	107	103	105	98	97	101	104	110	117	116	118	119	120	121	114	1	7 06	127	14 07	93	34
30				119	120	120	120	121	122	123	127	128	125	123	122	119	114	112	111	111	114	116	118	118	118	118	118	119	0	8 37	130	16 37	110	20
31				118	118	119	120	120	121	121	120	113	109	106	104	104	113	110	111	114	116	118	118	118	120	119	120	115	0	6 56	122	12 11	101	21
MEANS ALL DAYS				120	120	121	122	122	123	124	124	121	118	115	113	113	112	111	110	111	115	117	118	119	120	120	120	118						23
MEANS TEN DAYS #				121	121	122	122	123	122	124	123	121	120	119	118	118	117	115	112	112	115	118	119	120	120	120	120	119						20
MEANS FIVE DAYS † (G. M. T.)				121	121	121	122	122	122	124	124	123	124	124	123	122	120	118	114	114	116	117 118	119 119	120	120	120	120	121						
MEANS FIVE DAYS ‡ (G. M. T.)				120	119	120	121	122	122	123	126	123	120	117	114	115	111	110	110	111	114	117	117	118	119	119	119	118						

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 346

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1944 — JUNE 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			120	121	121	121	122	122	125	122	117	112	113	110	104	107	111	113	113	114	118	119	120	120	120	120	117	0	6 19	126	12 49	101	25
2	✓			120	120	120	120	120	120	120	120	116	114	111	108	106	106	112	113	115	117	120	120	120	120	120	121	117	0	6 40	123	13 00	103	20
3	✓	✓		121	121	121	122	121	122	125	126	122	119	122	121	125	126	124	120	116	117	118	119	120	120	120	120	121	0	13 50	128	17 20	115	13
4				120	121	122	122	124	124	123	121	116	110	104	103	109	108	106	104	103	112	116	118	118	118	119	119	115	0	4 30	125	16 24	101	24
5				120	120	120	119	120	121	123	123	120	115	110	108	108	110	112	110	109	113	116	118	119	119	119	120	116	0	6 52	126	12 40	106	20
6	✓			120	121	122	122	122	122	125	126	122	122	118	117	111	102	101	104	109	113	116	116	117	114	118	118	117	0	6 50	128	14 50	100	28
7	✓	✓		120	120	120	120	120	121	123	121	117	111	111	110	109	111	107	105	106	113	117	118	119	119	118	119	116	0	6 33	125	15 40	104	21
8	✓	✓		120	120	121	121	122	122	125	127	123	115	106	102	91	88	90	97	103	110	115	116	117	117	118	119	113	0	7 22	128	13 40	86	42
9				120	121	121	120	119	120	123	122	119	114	109	107	106	108	107	111	115	117	117	116	117	117	117	118	116	0	6 30	125	12 40	105	20
10	✓	✓		119	119	119	119	120	120	120	121	121	123	120	126	125	127	125	119	115	115	118	119	119	119	120	120	120	0	11 50	128	17 10	114	14
11				119	120	121	121	121	121	125	122	117	111	106	105	102	98	104	106	106	111	116	116	117	118	117	118	114	0	6 30	126	13 27	97	29
12	✓	✓		118	119	119	119	120	121	121	123	124	129	127	126	127	121	117	114	114	116	119	122	122	122	123	123	121	0	9 05	132	16 10	113	19
13				123	122	124	124	125	125	126	129	129	123	122	120	116	112	115	119	115	115	119	119	119	121	121	120	121	0	8 10	132	13 20	111	21
14				121	122	123	124	124	125	128	124	123	123	121	123	122	114	114	112	109	111	115	115	118	118	117	117	119	0	6 20	129	17 07	105	24
15			✓	117	118	120	123	122	122	126	119	109	100	99	99	100	99	98	104	108	112	116	117	116	119	117	118	112	0	6 45	127	10 53	96	31
16				118	117	119	118	118	120	123	123	114	108	108	109	110	114	111	110	111	113	113	116	117	118	119	118	115	0	7 10	124	9 30	107	17
17				118	118	119	118	118	118	122	118	113	104	103	106	104	104	108	110	112	112	112	112	114	116	116	117	113	0	6 48	124	10 23	100	24
18				117	116	116	118	118	119	121	115	107	103	106	108	108	112	113	112	109	110	114	115	116	116	116	116	113	0	6 30	123	9 35	102	21
19				117	117	116	117	116	116	119	117	112	107	101	102	103	103	107	103	105	109	114	116	116	116	116	116	112	0	6 50	120	11 15	100	20
20				118	117	118	119	119	118	120	117	112	107	102	107	113	112	105	106	107	115	119	120	120	120	120	122	115	0	23 38	127	10 30	100	27
21			✓	120	120	123	124	124	124	126	125	120	116	112	108	109	114	114	110	111	113	116	116	120	120	118	116	117	1	6 50	128	11 24	107	21
22			✓	118	120	121	120	120	121	125	125	120	110	97	98	100	104	105	107	110	114	118	119	119	119	119	119	114	0	7 10	126	10 43	93	33
23			✓	119	120	121	120	121	121	124	124	116	107	100	103	107	104	107	111	112	114	116	117	117	119	118	118	115	0	7 05	126	10 40	98	28
24	✓			118	120	119	120	120	120	121	120	116	108	105	107	104	106	111	111	111	114	116	116	118	119	120	118	115	0	6 20	122	12 43	103	19
25	✓			119	119	118	119	119	119	121	119	111	104	100	95	97	98	100	106	108	115	116	121	121	120	119	121	113	0	23 55	124	11 42	92	32
26			✓	121	121	123	121	120	121	123	121	110	100	96	100	106	112	113	107	106	110	113	115	117	118	118	118	114	1	6 55	125	10 55	95	30
27				119	119	120	119	119	120	121	125	124	118	116	112	110	110	111	112	111	114	116	117	119	119	119	119	117	0	8 10	126	13 40	109	17
28				120	120	120	120	120	120	121	124	121	117	114	110	108	109	110	108	105	109	114	116	118	120	119	120	116	0	7 43	126	16 36	104	22
29				114	118	119	121	121	122	123	121	113	106	105	107	106	109	114	111	111	115	116	117	119	119	120	120	115	0	6 26	124	10 20	104	20
30				121	120	120	120	120	120	121	116	108	110	112	111	114	115	108	103	104	112	113	115	116	117	119	119	115	0	6 50	123	15 40	101	22
31																																		
MEANS ALL DAYS				119	120	120	120	120	121	123	122	117	112	109	109	109	109	109	109	110	113	116	117	118	119	119	119	116						23
MEANS TEN DAYS ✱				120	120	120	120	121	121	123	122	119	116	113	112	110	109	110	110	111	114	117	119	119	119	120	120	117						23
MEANS FIVE DAYS † (G. M. T.)				120	120	120	120	121	121	123	124	121	119	117	117	115	115	113	111	111	114	117 117 117	117 119 119	118	118	118	119	118						
MEANS FIVE DAYS ‡ (G. M. T.)				119	120	122	122	121	122	125	123	115	107	101	102	104	107	107	108	109	113	116	118	120	119	119	119	115						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 347

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1944 — JULY 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				119	119	120	120	120	121	125	124	116	106	105	108	114	113	102	98	101	109	114	116	114	119	119	118	114	0	6 40	127	15 09	96	31
2				119	120	121	121	120	121	121	125	125	125	125	125	124	111	107	111	111	115	118	119	120	120	120	120	119	0	10 10	127	14 25	105	22
3				120	120	121	122	122	124	126	125	119	112	110	113	115	118	119	113	113	114	115	118	120	122	122	121	118	0	6 36	128	10 14	107	21
4	✓			122	122	122	122	123	123	124	118	110	104	103	104	108	99	97	103	109	113	117	117	118	118	121	119	114	0	6 27	126	14 07	93	33
5				120	120	121	121	121	121	122	121	121	119	114	111	119	116	103	99	101	111	115	115	116	117	119	118	116	0	6 23	124	15 44	97	27
6				118	117	118	118	119	119	121	119	117	118	112	106	107	107	104	103	104	111	115	115	115	116	116	117	114	0	6 29	123	16 00	102	21
7				119	117	118	119	119	119	119	120	121	123	122	121	120	120	123	119	116	116	118	117	118	118	117	117	119	0	14 58	124	16 35	115	9
8	✓			117	117	117	118	120	121	121	118	110	106	105	106	106	105	106	108	106	110	114	116	118	118	115	115	113	0	6 45	123	10 17	104	19
9			✓	116	119	119	119	119	119	120	123	122	115	106	100	96	95	96	96	104	112	113	115	117	117	117	117	112	0	7 08	125	13 05	94	31
10				116	117	117	117	118	118	120	119	112	108	101	102	100	96	93	93	98	105	112	113	113	114	113	115	110	0	6 30	121	14 44	92	29
11	✓			114	114	114	114	116	116	119	121	120	114	109	109	105	104	108	116	116	114	113	114	115	116	116	115	114	0	7 35	123	13 50	103	20
12	✓			116	116	116	116	116	117	118	118	114	108	106	104	104	104	99	102	105	108	113	119	121	123	123	122	113	0	21 10	124	14 27	98	26
13				121	121	120	121	121	122	123	122	119	113	108	101	98	102	112	113	113	116	118	120	120	120	121	120	116	0	6 50	124	12 30	97	27
14				120	121	120	122	123	121	121	121	120	113	109	113	113	114	113	113	113	114	118	120	120	120	120	120	118	0	4 50	125	10 20	108	17
15			✓	120	122	120	120	120	122	124	124	120	112	108	106	98	94	96	102	110	115	119	119	119	119	119	119	114	0	7 10	127	13 38	93	34
16				120	120	119	121	121	122	124	120	119	117	115	115	111	107	103	103	110	115	119	121	121	121	119	118	117	0	6 46	126	14 37	101	25
17				119	119	121	121	123	123	125	128	129	126	124	126	123	115	112	112	111	112	115	116	117	118	117	118	120	0	8 09	131	16 10	109	22
18				120	119	119	120	119	120	120	124	131	134	135	137	133	126	114	111	111	112	114	115	117	119	119	118	121	0	11 36	138	16 00	110	28
19			✓	118	118	118	119	120	120	120	126	129	131	133	129	129	127	114	106	106	109	115	116	117	118	117	117	120	0	10 11	134	16 00	103	31
20			✓	120	120	119	120	120	121	122	130	136	136	126	116	109	110	113	116	116	116	116	118	118	118	117	119	120	0	8 54	139	13 23	108	31
21			✓	118	120	119	120	119	121	121	128	131	129	128	126	117	109	112	108	108	112	113	113	115	117	117	117	118	0	8 30	132	16 35	106	26
22				117	117	117	118	118	117	118	117	112	108	107	107	107	106	104	101	103	108	113	114	115	115	116	117	112	0	3 30	121	15 50	100	21
23	✓			117	117	117	118	119	119	122	127	134	135	134	135	135	130	125	121	118	114	114	114	115	115	116	117	122	0	12 10	136	18 20	113	23
24	✓	✓		117	117	117	118	118	118	118	114	109	101	94	93	99	105	110	113	109	110	113	113	113	114	114	114	111	0	6 18	119	10 57	92	27
25	✓	✓		114	115	116	116	118	118	119	119	116	109	104	100	96	98	98	104	104	108	111	113	114	114	114	114	110	0	7 26	121	12 18	95	26
26	✓	✓		114	116	116	116	117	117	117	116	111	109	108	107	104	96	95	96	99	105	111	113	113	114	114	114	110	0	6 40	119	13 43	92	27
27	✓	✓		114	115	115	116	117	117	119	121	115	109	108	107	104	102	102	104	108	111	113	113	113	114	114	114	112	0	7 20	122	14 32	101	21
28	✓	✓		114	114	115	115	116	116	117	113	110	107	109	110	112	109	105	108	105	108	113	113	114	115	115	115	112	0	6 20	118	17 00	104	14
29				115	115	115	116	117	118	121	114	103	96	96	100	106	102	94	91	99	108	113	114	114	114	114	114	109	0	6 45	122	15 05	89	33
30				116	116	116	116	116	116	117	115	110	106	104	104	104	103	103	104	105	108	112	113	113	114	113	114	111	0	6 15	118	14 20	102	16
31				114	115	116	117	117	117	118	118	115	111	107	108	105	105	108	111	112	111	113	115	116	117	117	117	113	0	7 12	120	13 12	103	17
MEANS ALL DAYS				118	118	118	119	119	119	121	121	119	115	112	111	110	108	106	106	108	111	115	116	116	117	117	117	115						24
MEANS TEN DAYS ✲				116	116	116	117	118	118	119	118	115	110	108	108	107	105	104	108	108	110	113	114	115	116	116	116	113						24
MEANS FIVE DAYS † (G. M. T.)				115	115	116	116	117	117	118	117	112	107	105	103	103	102	102	105	105	108	112 112	113 113	114	114	114	115	111						
MEANS FIVE DAYS ‡ (G. M. T.)				118	120	119	120	120	121	121	126	128	125	120	115	110	107	106	106	109	113	115	117	118	119	118	118	117						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 348

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1944 AUGUST 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				117	116	117	117	117	118	119	121	117	111	112	114	113	107	102	103	106	110	114	116	117	119	119	120	114	0	7	31	122	14 50	101	21
2			✓	120	119	119	120	121	121	121	120	123	121	113	116	123	123	114	112	112	112	112	115	113	116	108	112	117	1	8	40	127	22 46	106	21
3			✓	118	123	119	119	123	121	126	121	110	102	97	94	94	94	94	99	103	107	115	116	118	119	118	119	111	1	6	38	128	11 40	91	37
4				118	118	119	119	119	119	121	126	123	120	121	122	120	117	119	119	114	111	114	116	116	116	117	117	118	0	7	34	128	17 17	110	18
5				117	117	117	119	120	120	120	121	116	107	99	99	94	87	92	99	105	110	112	113	114	115	116	115	110	0	7	07	122	13 36	86	36
6				116	116	117	119	119	118	119	118	116	111	110	107	106	103	98	101	107	112	114	112	112	112	112	114	112	0	6	25	121	14 43	95	26
7	✓			115	115	115	116	118	118	120	124	121	116	107	94	83	84	94	102	102	108	111	114	115	115	115	116	110	0	7	48	125	13 00	79	46
8				116	116	116	117	119	119	119	122	120	116	111	107	98	90	98	103	107	110	112	113	113	113	114	114	112	0	7	00	123	13 25	86	37
9				116	116	116	116	117	117	120	122	117	109	104	95	83	75	82	95	104	108	112	118	119	120	120	120	109	0	7	10	123	13 39	74	49
10				119	121	120	120	123	123	124	127	123	112	113	118	120	121	117	112	112	116	118	118	120	120	120	121	119	0	7	20	129	9 48	110	19
11				121	121	121	120	120	121	122	123	123	124	127	127	124	120	118	115	116	118	117	118	119	120	120	120	121	0	10	50	129	15 57	112	17
12				121	121	119	121	122	122	123	125	124	117	108	105	109	112	108	104	108	113	117	118	119	121	121	120	117	0	7	18	126	15 06	101	25
13	✓			120	121	120	121	121	121	121	121	121	119	117	119	117	115	116	117	116	115	117	117	119	120	119	119	119	0	3	05	123	13 08	113	10
14	✓			120	120	120	120	121	122	121	112	104	99	100	104	99	96	102	103	108	115	117	117	118	117	120	121	112	0	5	28	123	13 10	95	28
15				119	119	121	121	121	121	121	119	117	117	120	124	125	122	122	123	123	120	120	118	117	118	118	117	120	0	12	00	126	9 00	114	12
16				117	118	119	119	121	122	122	118	106	97	96	98	105	109	104	104	106	110	113	114	115	117	117	118	112	0	6	10	123	10 00	95	28
17	✓			117	118	118	119	119	121	121	118	111	106	100	101	103	103	102	101	106	109	111	112	114	114	115	115	111	0	6	10	124	10 50	98	26
18			✓	116	116	115	120	120	118	120	120	116	109	98	89	84	88	98	102	102	107	111	112	113	116	115	114	109	1	3	55	122	12 41	82	40
19				113	115	116	117	119	120	120	116	114	108	106	108	106	103	103	105	108	111	112	113	113	116	116	116	112	0	6	05	121	13 50	101	20
20	✓	✓		117	116	117	117	117	119	121	123	123	116	108	99	99	107	106	107	108	109	112	113	114	116	116	116	113	0	8	06	125	11 40	97	28
21	✓	✓		116	116	116	117	117	119	119	120	117	115	112	107	104	105	105	104	107	110	113	113	114	115	116	116	113	0	7	40	121	12 30	101	20
22	✓			116	116	117	117	119	118	121	122	123	122	120	116	115	111	107	106	106	109	113	115	114	116	116	116	115	0	8	40	125	15 50	105	20
23				116	116	116	119	118	119	121	127	128	125	121	120	115	115	114	115	115	116	117	116	115	116	115	115	118	0	8	20	130	14 28	113	17
24				116	117	119	120	122	124	125	128	127	121	116	115	113	107	101	98	100	106	114	115	116	115	116	115	115	0	7	50	129	15 14	97	32
25	✓	✓		116	116	117	118	120	120	122	125	128	130	128	124	122	117	110	106	108	111	114	114	114	115	115	115	118	0	9	42	131	15 40	105	26
26	✓	✓		115	115	118	119	119	119	115	111	110	113	111	110	105	109	110	110	110	110	113	113	114	116	115	114	113	0	6	05	121	12 30	104	17
27				114	115	117	118	118	120	119	116	114	116	113	105	100	100	100	96	99	108	112	113	114	116	117	115	111	0	6	00	122	15 57	95	27
28			✓	115	115	111	115	119	120	120	122	121	116	108	103	105	108	107	107	108	112	114	114	114	115	115	116	113	0	7	34	123	11 40	102	21
29	✓	✓		116	112	117	118	118	118	118	110	105	98	94	94	97	107	112	112	109	111	111	111	112	115	116	115	110	1	6	05	121	10 17	93	28
30				116	116	117	117	118	118	120	118	111	105	100	102	111	109	103	97	99	106	111	111	111	111	112	115	111	0	6	10	121	15 24	94	27
31			✓	114	114	116	116	116	116	121	120	111	105	104	100	96	95	94	88	91	100	109	110	112	113	113	114	108	0	7	00	122	15 35	87	35
MEANS ALL DAYS				117	117	117	118	119	120	121	121	117	113	109	108	106	105	105	105	107	111	114	114	115	116	116	116	114							26
MEANS TEN DAYS ✱				117	116	118	118	119	120	120	119	116	113	110	107	104	105	106	107	108	111	113	114	115	116	116	116	114							25
MEANS FIVE DAYS † (G. M. T.)				116	115	117	118	118	119	119	118	117	114	111	107	105	109	109	108	108	110	113 113	114 113	114	115	116	116	114							
MEANS FIVE DAYS ‡ (G. M. T.)				117	117	116	118	120	119	122	121	116	111	104	100	100	102	101	102	103	108	112	113	114	115	114	115	112							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 349

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1944

SEPTEMBER 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				114	115	114	116	115	116	116	115	111	106	99	97	99	104	105	105	106	110	111	111	111	112	111	111	110	0	5 50	118	11 32	96	22
2			✓	113	114	113	115	115	117	116	114	109	106	97	93	92	93	97	103	105	108	108	110	111	114	114	114	108	1	5 00	118	12 00	91	27
3				114	114	115	114	115	114	120	123	119	117	115	115	115	117	116	116	115	115	114	112	112	112	112	113	115	0	6 58	124	19 30	111	13
4	✓			115	115	115	115	116	116	118	116	115	112	111	110	111	113	114	108	104	107	108	112	112	113	113	113	113	0	6 14	120	16 20	103	17
5	✓			114	115	116	116	116	116	119	116	116	113	112	104	104	99	95	99	101	107	108	108	109	112	112	112	110	0	6 34	121	14 45	94	27
6	✓			112	112	113	114	116	116	124	129	125	121	121	120	113	104	103	104	109	110	112	112	112	112	112	112	114	0	7 20	130	14 07	102	28
7				112	112	113	113	116	116	117	115	108	98	89	84	78	73	77	86	97	106	108	110	111	111	110	112	103	0	6 50	119	13 50	72	47
8				113	113	113	114	117	117	117	117	113	109	105	100	94	88	87	94	103	109	113	115	115	115	115	115	109	0	6 13	118	14 15	85	33
9	✓	✓		115	115	115	115	116	115	119	121	119	115	118	119	119	115	111	110	111	114	114	114	114	115	115	115	115	0	8 08	123	15 30	109	14
10				115	116	116	117	118	118	119	119	117	115	115	115	117	114	111	110	111	111	111	113	112	113	115	115	115	0	6 55	120	15 10	108	12
11				115	115	115	118	118	119	120	121	115	110	106	110	111	110	108	109	108	110	114	114	114	114	114	114	113	0	7 13	123	10 27	105	18
12				116	117	118	118	118	118	123	127	126	118	120	123	122	118	112	113	113	113	113	113	113	113	116	115	117	0	7 47	128	15 05	110	18
13	✓			115	114	116	117	117	117	117	109	101	95	92	93	99	103	103	104	104	106	112	113	113	113	113	113	108	0	6 10	119	10 50	91	28
14				113	113	113	116	117	117	117	116	112	104	100	100	96	97	96	100	103	106	111	112	113	113	113	113	109	0	6 30	119	14 10	95	24
15	✓	✓		113	113	113	113	114	116	113	113	110	104	97	100	104	102	99	100	99	106	108	110	111	112	111	114	108	0	5 24	117	10 30	96	21
16	✓	✓		114	114	114	114	114	114	112	111	111	111	109	107	103	97	98	104	105	107	109	111	112	113	114	114	110	0	4 30	116	13 26	96	20
17	✓	✓		114	114	114	114	114	116	118	122	117	114	113	110	110	110	114	116	115	113	110	109	109	109	110	113	113	0	7 20	123	11 49	106	17
18				113	113	114	114	114	115	114	109	105	101	101	101	105	105	106	106	105	109	110	111	111	113	113	113	109	0	5 10	117	10 13	100	17
19	✓	✓		113	113	114	114	114	114	114	110	104	101	101	101	101	101	97	100	103	105	109	110	110	112	111	111	108	0	4 20	116	14 35	96	20
20				113	112	113	113	115	116	116	113	104	100	97	91	88	90	96	100	96	100	104	112	109	108	109	111	105	0	5 51	117	12 54	87	30
21			✓	111	112	114	114	115	115	115	114	110	105	101	99	101	109	111	105	104	107	110	110	109	110	110	110	109	0	4 06	118	12 00	96	22
22				111	111	112	113	114	114	113	110	111	110	113	113	114	118	120	114	109	110	113	113	111	111	111	110	112	0	14 20	122	16 15	108	14
23				111	111	115	114	115	115	115	115	110	106	106	106	108	106	102	101	106	106	110	110	108	111	111	111	110	0	6 54	118	15 40	99	19
24			✓	111	112	114	114	115	114	115	114	110	102	94	92	90	92	93	99	102	102	107	110	110	110	110	111	106	0	4 28	119	12 50	89	30
25				110	111	111	112	113	113	115	119	118	115	119	117	115	111	104	103	106	110	110	108	110	112	113	111	112	0	8 00	121	15 40	102	19
26				111	111	113	115	115	114	115	114	110	102	103	106	106	102	98	97	102	106	106	111	111	111	111	111	108	0	6 50	117	15 32	96	21
27			✓	113	112	112	115	116	116	119	122	120	120	125	128	122	119	115	111	111	113	113	116	117	117	116	117	117	0	11 14	129	15 30	109	20
28	✓			116	116	117	117	117	117	117	113	108	104	104	96	95	108	104	104	108	111	114	115	116	117	117	116	111	0	6 00	120	12 20	92	28
29				117	118	118	120	119	120	121	119	114	111	109	102	100	103	103	102	102	106	110	112	112	113	113	113	112	0	6 14	122	12 24	99	23
30			✓	113	112	112	113	115	115	115	110	105	100	101	109	108	106	100	106	107	108	108	113	114	115	115	115	110	1	6 37	116	10 09	95	21
31																																		
MEANS ALL DAYS				113	114	114	115	116	116	117	116	112	108	106	105	105	104	103	104	106	108	110	112	112	113	113	113	111						22
MEANS TEN DAYS *				114	114	115	115	115	116	117	116	113	109	108	106	106	105	104	105	106	109	110	111	112	113	113	113	111						22
MEANS FIVE DAYS † (G. M. T.)				114	114	114	114	114	115	115	115	112	109	108	107	107	105	104	106	107	109	110 110	112 111	112	113	113	114	111						
MEANS FIVE DAYS ‡ (G. M. T.)				112	112	113	114	115	115	116	115	111	107	104	104	103	104	103	105	106	108	109	111	110	111	111	111	110						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 350

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1944 — OCTOBER 1944

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	114	114	114	114	116	117	116	113	97	86	86	91	91	100	101	105	108	109	113	114	114	115	116	116	108	0	5 05	118	9 24	84	34
2				118	118	118	118	119	119	121	123	115	108	110	112	113	110	113	117	110	106	109	111	111	111	111	113	114	0	7 08	124	17 15	105	19
3				111	112	114	115	115	115	115	115	111	105	103	102	98	101	106	106	110	111	111	112	113	113	113	114	110	0	3 34	117	12 44	96	21
4				115	116	116	116	116	116	120	121	120	115	112	109	100	92	91	92	99	104	109	110	110	109	109	111	110	0	7 00	123	14 30	90	33
5	✓	✓		112	112	113	113	115	117	126	129	122	116	109	100	92	86	81	84	91	98	104	107	108	109	109	109	107	0	7 20	130	14 25	79	51
6				108	108	110	112	112	112	116	118	113	111	109	107	100	90	87	86	93	99	104	108	108	108	112	111	106	0	7 20	120	13 58	85	35
7	✓			111	111	112	112	113	115	117	120	116	111	108	108	106	103	98	97	98	103	105	108	109	110	111	112	109	0	7 24	122	15 30	95	27
8	✓	✓		112	111	112	112	112	114	114	116	113	111	110	108	108	104	99	103	103	105	109	110	108	111	111	111	109	0	7 30	117	14 30	98	19
9	✓	✓		111	111	111	112	113	112	112	112	105	99	100	103	105	108	108	99	99	105	108	111	111	111	110	111	108	0	5 00	115	16 10	97	18
10				110	111	112	113	113	114	113	113	111	113	118	118	118	111	99	96	99	104	108	109	106	104	105	108	109	0	11 20	119	15 03	95	24
11			✓	109	109	110	112	113	113	109	106	108	117	118	130	148	135	117	115	100	104	109	110	112	113	113	112	114	1	12 09	152	16 00	99	53
12				113	112	113	113	113	113	105	96	90	88	95	102	109	113	109	104	104	107	109	112	112	111	112	112	107	0	13 24	116	9 18	87	29
13				112	112	112	113	113	113	113	109	104	102	105	109	110	112	108	96	95	101	106	108	109	109	109	109	108	0	4 25	114	16 22	92	22
14			✓	109	109	111	112	113	113	109	109	109	109	109	109	113	113	109	101	102	104	105	106	105	108	109	105	108	1	13 38	117	15 55	100	17
15			✓	109	109	109	111	113	113	109	104	100	93	89	87	91	95	92	92	95	102	107	109	109	108	109	109	103	1	4 50	114	11 23	86	28
16				109	109	111	112	113	113	113	113	108	108	109	111	117	121	122	115	112	113	113	109	109	109	109	109	112	0	14 02	124	8 58	104	20
17				109	109	109	113	113	113	112	109	105	104	108	107	101	98	98	97	99	100	108	107	108	109	109	109	106	0	4 20	114	15 50	96	18
18				109	109	109	112	113	112	109	109	105	104	104	103	105	105	109	100	104	105	109	109	109	109	109	109	108	0	4 38	114	15 35	99	15
19	✓	✓		109	112	113	113	114	113	107	100	91	87	83	81	81	85	94	101	109	109	110	111	109	109	109	109	102	0	4 50	116	11 22	79	37
20	✓			110	111	112	113	113	112	109	104	100	94	91	92	96	100	104	104	105	105	109	110	109	109	109	109	105	0	4 40	114	10 28	90	24
21	✓	✓		109	109	110	112	112	112	113	112	108	109	109	104	100	104	105	109	111	113	112	109	109	109	109	109	109	0	6 57	115	12 16	99	16
22	✓			109	109	109	112	113	113	114	113	112	113	113	109	102	100	100	96	99	104	109	109	109	109	109	109	108	0	6 30	117	15 55	95	22
23				110	110	110	110	113	114	110	109	107	110	106	104	105	110	114	114	111	111	111	110	111	109	107	107	110	0	14 30	116	11 24	102	14
24			✓	107	111	111	111	113	115	109	107	103	103	104	99	100	102	99	103	105	107	110	110	109	109	109	110	107	1	5 19	116	11 50	98	18
25				111	111	111	111	112	111	106	103	106	106	109	103	96	93	93	98	103	106	106	106	108	106	107	107	105	0	4 30	113	13 35	92	21
26				107	107	108	109	111	111	108	106	105	107	106	101	93	88	87	88	95	102	106	110	108	107	110	110	104	0	5 10	114	15 05	85	29
27				110	107	111	111	111	111	111	108	107	107	106	102	102	98	89	87	97	105	105	106	107	107	107	107	105	0	6 40	112	15 04	85	27
28				107	108	107	109	110	108	106	108	111	115	116	118	119	115	106	98	99	102	107	110	108	107	106	107	109	0	12 35	122	16 06	97	25
29	✓			108	107	111	111	111	111	106	101	102	111	115	119	124	121	119	107	100	102	106	108	108	108	106	106	110	0	12 30	125	16 15	99	26
30	✓			107	110	110	111	111	107	102	102	105	104	106	110	115	114	111	107	106	107	107	110	107	107	107	109	108	0	12 30	116	7 22	101	15
31				107	110	110	111	111	109	106	102	98	97	98	102	105	106	106	100	101	105	108	107	106	107	107	107	105	0	4 00	114	9 50	94	20
MEANS ALL DAYS				110	110	111	112	113	113	111	110	107	105	105	105	105	104	102	101	102	105	108	109	109	109	109	110	108						25
MEANS TEN DAYS ✻				110	110	111	112	113	113	112	111	107	106	104	103	103	102	102	101	102	105	108	109	109	109	109	109	108						26
MEANS FIVE DAYS † (G. M. T.)				111	111	112	112	113	114	114	114	108	104	102	99	97	97	97	99	103	106	108 109	109 110	109	110	110	110	107						
MEANS FIVE DAYS ‡ (G. M. T.)				110	110	111	112	114	114	110	108	103	102	101	103	109	109	104	103	102	105	109	109	109	109	109	109	108						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 351

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1944 — NOVEMBER 1944

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			107	107	107	111	111	106	104	104	107	106	108	111	114	117	119	115	115	111	111	110	108	107	107	107	110	0	13	52	121	6 20	103	18
2				108	108	110	110	111	111	110	110	110	108	106	107	111	115	111	102	97	102	106	102	102	103	103	104	107	0	13	35	116	16 20	95	21
3				103	105	106	107	107	109	107	110	111	107	101	98	87	80	80	81	88	94	103	108	109	109	106	106	101	0	8	30	112	15 25	79	33
4			✓	106	106	109	109	110	113	114	119	118	117	110	106	99	88	85	89	97	106	106	106	106	102	102	105	105	0	7	23	123	14 10	84	39
5			✓	106	106	107	109	110	111	110	110	115	119	119	119	121	123	122	114	100	99	105	106	106	106	106	106	111	1	13	16	124	16 42	96	28
6			✓	106	106	108	110	111	110	107	108	110	114	118	118	115	109	98	96	97	102	106	109	108	108	108	108	108	0	9	50	119	15 05	95	24
7				108	109	108	109	109	111	105	100	100	96	96	98	97	100	97	88	89	100	105	107	105	105	105	105	102	0	5	34	113	15 50	85	28
8				106	108	109	110	110	113	116	123	127	121	114	118	113	108	102	97	95	101	108	108	108	108	107	106	110	0	8	10	128	16 08	92	36
9				106	108	108	109	109	109	108	109	112	113	113	116	110	109	104	105	104	104	108	109	109	108	109	108	109	0	11	24	117	17 00	103	14
10			✓	106	105	105	105	108	105	101	96	105	109	109	103	104	101	98	95	96	101	107	107	107	105	105	105	104	0	9	20	112	15 50	93	19
11				106	106	109	110	110	109	106	103	101	102	109	110	105	101	97	91	92	98	105	107	108	106	106	106	104	0	11	03	113	16 03	89	24
12	✓			106	106	107	109	110	106	105	107	113	114	113	110	106	103	97	97	101	103	106	106	107	108	108	107	106	0	9	15	115	15 08	96	19
13	✓	✓		106	107	108	109	110	110	103	98	99	106	108	108	110	115	119	117	110	110	109	109	107	108	107	106	108	0	14	10	120	7 30	96	24
14	✓			106	106	108	109	110	110	101	101	106	110	115	110	106	108	101	91	90	97	106	106	108	107	109	107	105	0	10	40	117	16 29	89	28
15	✓	✓		107	107	109	109	110	110	106	105	106	110	110	113	113	115	111	106	98	100	105	107	107	107	107	107	108	0	13	20	117	16 38	97	20
16				107	107	107	110	110	107	105	110	115	124	127	128	129	129	124	113	104	105	109	109	108	106	106	106	113	0	13	10	132	16 40	102	30
17	✓			106	108	108	109	110	106	105	104	101	101	102	104	100	101	99	101	101	103	106	106	106	106	106	106	104	0	4	10	111	14 30	98	13
18				105	105	107	109	109	108	101	98	98	99	105	111	111	109	101	99	104	108	108	107	104	106	104	104	105	0	11	20	113	7 54	96	17
19				104	107	108	108	108	108	111	108	108	106	106	108	104	106	104	101	103	105	107	107	107	105	104	103	106	0	6	30	112	15 13	100	12
20			✓	103	103	105	107	109	111	107	107	107	105	99	94	96	95	98	96	98	103	107	107	107	107	105	104	103	1	5	17	112	11 30	92	20
21	✓			104	105	105	108	108	108	112	116	119	115	109	107	105	108	115	117	113	108	111	109	108	107	107	107	110	0	8	20	120	12 48	103	17
22				107	107	107	108	108	107	103	101	103	100	95	94	93	94	97	97	95	101	106	104	104	104	104	104	102	0	4	30	109	12 29	92	17
23				104	104	105	107	108	107	109	112	113	108	111	112	112	105	95	86	89	98	104	105	106	106	106	104	105	0	8	00	116	15 27	84	32
24	✓	✓		104	104	104	104	106	104	104	108	114	116	120	121	107	91	82	83	91	101	108	108	107	108	108	107	105	0	10	52	123	14 40	78	45
25	✓	✓		107	107	107	108	107	104	106	112	113	113	117	114	112	112	106	103	98	101	104	106	104	105	107	106	107	0	10	25	119	16 56	99	20
26				106	105	107	106	108	104	103	102	99	97	104	115	121	126	123	111	104	104	108	108	107	104	105	107	108	0	13	40	128	9 25	95	33
27	✓	✓		108	107	108	108	106	105	100	102	109	108	108	118	115	105	101	95	94	100	108	109	108	107	109	109	106	0	11	46	120	16 30	93	27
28				110	110	110	110	110	106	106	108	110	108	115	115	106	99	93	92	97	102	106	106	106	106	106	105	106	0	11	00	119	15 20	89	30
29				105	105	106	106	106	106	109	116	119	119	115	108	101	94	94	97	98	99	107	105	103	103	103	103	105	0	9	12	122	14 55	93	29
30				103	103	105	106	107	104	98	97	100	103	98	100	102	103	102	99	102	103	103	104	103	103	103	103	102	0	4	05	108	10 50	94	14
31																																		
MEANS ALL DAYS				106	106	107	108	109	108	106	107	109	109	109	110	108	106	102	99	99	102	107	107	106	106	106	106	106							24
MEANS TEN DAYS ✱				106	106	107	108	109	107	105	106	109	110	111	112	109	108	105	102	101	103	107	108	107	107	108	107	107							23
MEANS FIVE DAYS (G. M. T.) †				106	106	107	108	108	107	104	105	108	111	113	115	111	108	104	101	98	102	106 107	107 108	107	107	107	106	107							
MEANS FIVE DAYS (G. M. T.) ‡				105	105	107	108	110	110	108	108	111	113	111	108	107	103	100	98	98	102	106	107	107	106	105	106	106							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 352

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1944

DECEMBER 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				103	103	104	106	107	107	109	120	127	118	111	105	96	100	104	102	103	104	104	105	105	105	105	105	107	0	8	28	131	12	28	94	37
2				105	105	105	105	109	114	120	127	122	110	105	98	100	109	110	104	104	104	108	104	103	101	103	102	107	1	7	45	128	11	50	96	32
3				102	103	103	104	106	104	109	116	117	117	116	108	103	104	100	97	99	102	104	106	106	104	103	104	106	0	8	56	119	15	51	96	23
4	✓			105	105	106	106	107	107	106	103	98	93	90	89	88	89	93	97	97	101	105	109	107	106	104	105	101	0	19	27	111	12	10	87	24
5				105	105	105	106	109	109	109	117	122	126	129	126	117	109	102	100	100	104	106	107	105	106	106	105	110	0	10	02	130	15	10	99	31
6	✓			105	104	105	106	108	107	109	123	127	123	119	115	100	91	89	87	91	97	104	106	106	106	108	106	106	0	8	10	129	15	10	86	43
7	✓	✓		106	108	106	108	109	106	109	116	115	114	117	117	117	118	116	111	105	105	107	107	108	108	108	107	110	0	13	04	123	16	30	103	20
8	✓			107	107	107	108	109	109	107	112	112	111	107	103	107	108	107	108	105	103	106	108	107	105	105	105	107	0	8	16	116	17	35	102	14
9				105	105	106	107	107	107	105	109	112	112	109	107	108	108	109	107	99	102	107	107	107	107	106	107	107	0	8	50	114	16	40	98	16
10	✓	✓		107	106	106	107	107	107	112	120	119	113	109	109	112	104	99	95	95	97	103	107	107	107	105	105	107	0	7	48	121	15	42	94	27
11	✓	✓		106	106	107	108	109	108	108	113	110	113	109	112	106	98	94	91	95	99	105	107	107	106	106	104	105	0	7	38	115	15	30	88	27
12	✓			106	105	106	106	107	105	110	121	128	124	126	126	116	104	96	98	100	104	107	107	108	106	104	103	109	0	8	20	130	14	20	95	35
13			✓	103	103	104	104	106	106	108	108	117	116	113	99	105	123	116	102	96	100	106	104	104	103	104	104	106	2	13	28	126	16	24	95	31
14				102	103	105	106	109	107	108	115	120	114	109	108	99	101	104	102	101	100	102	103	105	105	105	106	106	0	8	16	121	13	00	96	25
15				105	105	107	108	107	108	112	114	105	98	101	99	92	89	92	94	94	99	105	107	104	103	105	105	102	0	7	43	116	13	50	87	29
16			✓	103	101	99	104	108	109	110	116	92	72	92	103	135	129	107	96	98	104	103	103	104	103	105	103	104	2	12	35	143	9	44	65	78
17			✓	99	101	102	103	107	108	120	127	125	108	95	90	85	102	97	94	92	95	98	102	104	103	102	102	103	2	8	20	132	12	32	81	51
18			✓	102	99	101	101	104	102	101	100	97	102	107	102	103	103	104	100	97	99	102	107	108	107	107	105	102	0	10	21	110	8	50	95	15
19				105	105	107	107	107	107	106	114	118	123	123	107	89	84	91	98	102	104	106	107	107	106	106	106	106	0	10	10	129	13	50	80	49
20				106	106	107	108	110	109	109	113	111	109	96	89	85	86	95	100	99	104	108	108	108	108	108	108	104	0	7	55	115	12	35	83	32
21				108	108	107	108	108	108	106	104	104	105	105	100	96	90	94	105	112	109	107	108	107	107	107	107	105	0	16	25	113	13	40	88	25
22				107	107	107	107	107	107	108	112	114	112	107	99	94	102	111	123	121	112	110	109	109	107	107	107	109	0	15	50	127	12	16	93	34
23	✓			107	107	107	107	107	107	107	112	112	107	116	112	99	99	105	107	111	109	107	107	107	107	107	107	108	0	10	38	120	12	48	94	26
24	✓	✓		107	107	108	108	108	107	103	104	107	111	110	104	103	97	95	98	103	107	107	111	110	108	110	110	106	0	10	00	113	15	10	94	19
25	✓	✓		110	109	109	108	108	107	109	114	114	116	114	107	110	104	97	99	105	107	108	110	108	110	110	108	108	0	9	55	117	14	30	95	22
26				108	108	108	109	109	107	104	105	100	98	97	99	103	107	108	107	110	109	108	108	105	103	104	104	105	1	17	05	114	10	25	95	19
27			✓	103	103	105	106	107	103	101	110	111	113	116	113	108	115	111	107	101	100	102	105	106	106	105	105	107	1	10	14	118	17	20	98	20
28				105	105	104	104	106	104	106	113	118	118	119	124	125	120	116	115	111	105	106	109	106	105	107	106	111	0	11	17	128	5	50	101	27
29				105	104	105	106	109	109	105	107	106	100	94	92	89	87	96	105	106	105	105	106	103	102	103	102	102	0	5	00	111	13	22	86	25
30				101	102	103	106	107	104	103	109	111	111	107	101	98	107	113	108	103	107	107	108	107	106	104	103	106	0	14	50	119	12	05	96	23
31				104	105	106	107	109	108	110	112	107	107	108	107	111	119	127	121	119	110	107	108	106	105	105	105	110	0	14	42	128	8	57	102	26
MEANS ALL DAYS				105	105	105	106	108	107	108	113	113	110	109	105	103	103	103	103	102	103	105	107	106	106	106	105	106								29
MEANS TEN DAYS *				107	106	107	107	108	107	108	114	114	112	112	109	106	101	99	99	101	103	106	108	108	107	107	106	107								26
MEANS FIVE DAYS (G. M. T.) †				107	107	107	108	108	107	108	113	113	113	112	110	110	104	100	99	101	103	106 106	108 108	107	107	107	107	107							
MEANS FIVE DAYS (G. M. T.) ‡				102	101	102	104	106	106	108	112	108	102	105	101	107	114	107	100	97	100	102	105	105	104	104	103	104								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
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